

Rules and Regulations

OF THE

FREE PUBLIC LIBRARY IN IPSWICH.

ARTICLE 1. — The Library will be open every morning from nine to twelve o'clock, and every afternoon from two o'clock to sundown.

- ART. 2. Every adult resident of Ipswich, who shall sign an obligation to observe all the Rules and Regulations of the Library, shall have free right to take books from the Library, and to the use of the Library Rooms for reading or study, so long as such resident complies strictly with all its regulations.
- ART. 3. Minors, residents of Ipswich, between the ages of twelve and twenty-one years, who shall produce a certificate, signed by a responsible inhabitant of the town, that the person so signing will be responsible for said minors' observance of the Regulations of the Library, shall have the right to take books from the Library so long as they comply strictly with all its regulations.
- ART. 4.—Rare and costly books, and books of reference (Gazeteers, Encyclopædias, &c., &c.), shall not be taken from the Library Rooms without the written permission of one of the Trustees.
- ART. 5. No person shall be allowed more than one volume at any one time, and no book shall be kept out of the Library more than fourteen days. The fine for retaining a volume beyond the time specified shall be ten cents for every week that it is so retained.
- ART. 6.—Any book retained two weeks beyond the time prescribed by these regulations shall be sent for by the Librarian, and the expense incurred in obtaining it shall be paid by the person who has retained it.
- ART. 7. All injuries to books beyond a reasonable wear, and all losses, shall be made good by the person responsible for the book. Any book not returned within one week after demand made for it shall be regarded as lost.
- ART. 8. All books are required to be returned to the Library fourteen days before the annual Thanksgiving day, under penalty of a fine of one dollar.
- ART. 9. No person having a book from the Library shall lend it to any one not a member of the same household.
- ART. 10. No person owing a fine, for the expense of obtaining the return of a book, or for the loss or injury of a book, shall be allowed to take a book from the Library until the same is paid.
- ART. 11.—All persons visiting the Library shall be required to demean themselves quietly, and no loud conversation will be allowed in the room. Any person abusing the privileges of the Library shall be denied admission to the Library Room.
- ART. 12. Persons entitled to the privileges of the Library may consult books while the room is open; but the Librarian shall enter all the books thus temporarily withdrawn, and credit the entry when they are returned.



"A note should be made about Osler's reprints, which of course accumulated in enormous numbers. Many of these papers, like this Linacre address, were privately reprinted and he distributed them freely. He took the trouble, moreover, to set aside ten more or less complete sets which were indexed, bound as 'Collected Reprints', and all but one set, which he retained, given to special libraries -- the Hopkins', the Faculty's, the Surgeon-General's, the Boston Medical, &c. The following note on the subject of reprints is written in a copy of H. I. Bowditch's translation of Louis's monograph on typhoid: The target of the prints is

'V. Y. Bowditch sent me these volumes in May '08. I asked him for a book from his father's collection with his name in it to put in the best of company on my shelves. H. I. Bowditch impressed me as one of the best of men. When I went to Boston in 1875 to look up the subject of haemorrhagic small-pox I took a letter of introduction from Dr. Howard, and I spent a memorable evening with him. He was full of enthusiasm for his old teacher Louis, whose biography he had recently written. When giving me a bundle of reprints and saying good-bye at the door he remarked, "You are a young fellow just coming on the slate, I am going off. Take my advice and have a reprint of everything you write and collect them. I would give \$1,000 for a set of all my papers." This made a great impression on me and I have followed his advice. Through him I became friends with his nephew H. P. and his son V. Y."

The Life of Sir William Osler, Harvey Cushing, 1925, vol. ii, p. 1337

to the same of the sale TANK CONTRACT





PATHOLOGICAL RESEARCHES

ON

PHTHISIS.

DR. CLARKE ON PHTHISIS.

"We cannot conclude this section without expressing our obligations to M. Louis, the able author of the "Traité de la Phthisie." We are so much indebted to this zealous and indefatigable physician for all our more precise knowledge of the pathological anatomy of Phthisis, that we think it due to him to acknowledge the great assistance we have derived from his researches in the composition of this article: and we beg to refer our readers for more full information to his treatise, as they will not only find therein the best account of the morbid anatomy and symptoms of the disease, but will moreover learn to admire, and perhaps to imitate, the industry, the zeal, and the scrupulous veracity of this most accurate and philosophical observer." — Cyclop. Pract. Med. Part xxii. p. 306.

"M. Louis certainly ranks as the first physician of France and probably of Europe." — Marshall Hall.

PATHOLOGICAL RESEARCHES

ON

PHTHISIS.

By P. CH. A. LOUIS,

Doctor in Medicine of the Faculties of Paris and St. Petersburgh; Physician to the Hospital of La Pitié; President for Life of the Society for Medical Observation; Member of the Royal Academy of Medicine; Correspondent of the Royal Academy of Marseilles, of the Imperial Medico-Chirurgical Academy of St. Petersburgh, and of the Royal Medical Society of Edinburgh, Member of the Legion of Honor.

TRANSLATED FROM THE FRENCH,

WITH INTRODUCTION, NOTES, ADDITIONS, AND AN ESSAY ON TREATMENT.

BY CHARLES COWAN,

M. D., E. M. D., P. M. R. C. S., E.

Member of the Society tor Medical Observation; Bachelier en-Lettres of the Sorbonne;
Elève of the Hospitals of Paris and of the Ecole Practique; Ex-President of the
Hunterian Society, and Member of the Royal Medical and Ethical
Societies of Edinburgh.

REVISED AND ALTERED

BY HENRY I. BOWDITCH, M. D.

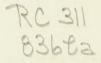
Fellow of the Massachusetts Medical Society and Member of the Society for Medical Observation at Paris.

BOSTON....HILLIARD, GRAY AND CO. 1836. Entered according to the Act of Congress, in the year 1836, by

HENRY I. BOWDITCH,

In the Clerk's Office of the District Court of the District of Massachusetts.

BOSTON.
PRINTED BY I. R. BUTTS.



WILLIAM STOKES, M. D.

PHYSICIAN TO THE MEATH HOSPITAL.

PROPERSON OF CLINICAL MEDICINE.

&c. &c. &c.

AND

HENRY RILEY, M. D.

PHYSICIAN TO THE BEINTOL INFIRMARY,

LICENTIATE OF THE BOYAL SULLING OF PHYSICIANS.

At the No.

PROM THEM GEATEFELLY COLLORS PHILSD,

THE TRANSLATOR.



CONTENTS.

Assumes Escende Persons.	-			221
Tomare's braseness.				ANY
Acress's respect.	4		-	100

PART !

PATHOLOGICAL ANATOMY

CHAPTER L

Respiratory Ordans,	3
Asy. I. Of the Lungs,	5
One, L. Tuborcular Cavity, including three-forms of the Right	
Long,	18
One. H. Mass of organized Physic tilling a moderately sized	
Tubercular Excustion,	22

One III. Healthy Progness of Pulmoney Paceachyma, sent-	
tiched, in the midst of an Excavation,	27
State of the Brend Wily	36
Acute Information of the Substance of the Large in the	
Instatings of Philipinis,	37
Acute Inflammation towards the close of other Chesnic Dis-	
eases, and a second of	38
Ast, II. Of the Pleum,	20
Adhesions of the Pletre in Phthinis.	畝
in cases final from other Discuses,	41
Acute Pleating towards the close of Philain and other	
Cleans Affertions	48
Ast. III. Of the Epiglottis, Lasyna and Touches,	D.
Sec. 1. Ulcerations of the Tracken,	43
2 = # Laryan,	46
3 - Epiglottia,	乱
State of those Organ in Subjects head from other Chronic	
Diseases, and a second of the second	48.
CHAPTER 11.	
ORGANI OF CHITCHATIAN,	49
ART. I. Of the Heart and Pericardism.	160
State of the Heart is offer Chronic Dispuses,	32
Age. H. Ofthe Aceta,	ile
State of the Anete is other Chronic iseason,	54
CHAPTER III.	
Discrete Outers,	57
Asr. 1. Of the Plesynt and Choplague,	lb.
State of these Organs in other Cheene Diagness,	58

PATHOLOGICAL ARATOMY.	los
Aux. H. Stornack,	2
Sec. L. Of the Volume and Stration of the Scorach	16.
e e e e e com	
Chronic Diseason	360
Sec 2. Suffering with distributed Thickness of the Micross-	
Mentiture of the Street, by	407
Sec. 3. Redoms combined with thickening, with a Mamifaled.	
Suor or Softening of the Mesons Membrane, and	
occurring in the anterior portion of the Stomack,	.64
Sec. 4. Reduces were Subscring of the Missour Membrane	
lining the great Cul-brance of the Stomets.	55
Sec. 5. The immediated appropriate and greytile color of the	
Mucous Membran of the Stomach,	62
Sec. 6. Ulcouring of the Manous Membrace of the Strenath,	66
Sec. 7. Some palar meebid changes of the Mucon Membrane	
of the Stocatch,	92
Tabellar View of the different Lexions of the Gautte Mucous	
Mentene,	701
Tabalar View of the different Louisess of the Gastric Muccous	
Membrane in other Branning	71
Aur. III. Of the Doolerms.	77
IV. Of the Small Intestine,	73
See L. Of the Muscous Membrane of the Small Intratine in the	40
Analog state,	74
Si 2. Pat helogy of the Small Intestion,	28
Oas, IV. Large Interest Uterpations, Performed of the Scali	in.
Titemmy 1	54
Space of the Small Intention in other Chronic Diseases,	20
Aux. V. Large Intuition	99
State of the Large Intesting after other Climaic Diseases,	150

CHAPTER IV.

Laurence Garren,	199
	100
	203
III. Of the Corneil, Axillary and Breechiel Gheale, .	185
State of the Lymphatic Glaude after other Circuic Discusses,	106
CHAPTER V	
Bellet Apparatory	107
Ann. L. Of the Liver,	16.
State of the Liver after other Chryste Discases,	108
	119
State of the Bile and Gali-Budder after other Chronic Dis-	
HOREN, III I WAR IN THE TOTAL OF THE PARTY O	114
CHAPTER VI.	
SPAREN,	114
State of the Sylven after other Chronic Diseases, .	
CHAPTER VII.	
Unistay Oniasu,	117
Oss. V. Tuberceler Metter in the Right Kidney and corres-	
punding Urener,	118
In other Diseases,	171
CHAPTER VIII.	
General Ondon,	122
Aur. I. Of the Male Geniul Organs,	ib

One, VL. Tobescular Matter in the Prostate, Vencula, and Van	
Deferent,	192
State of the Main General Organs after other Acese or	
Chronic Directory	128
Axv. H. Of the Fennie Geniul Organs,	325
State of the Fermin Genical Organs after other Christia	
Director,	130
CHAPTER 1X	
Francisco,	130
One VII. A thick layer of the Telepowher and Grey, Semi-	
Braumarent Matter in the Epipleon and Misocolon,	thic
State of the Parities on After other Chronic Distance,	100
CHAPTER X.	
Bears and its Mensioners,	139
Hint) after other Cheese Discours,	143
One, VIII. Hyderide in the oppus part of the Brain,	165
IX. Telerides in the Constrain and Corrlettan, -	251
Seesely, .	157

PART II.

SYMPTOMS.

CHAPTER I.

Sentrous or Persons,	4 1	165
Tutes of the duration of Partition,	. 3	1(2)
Cough,	. 1	171
Expectoration,	4	ib.
Hempipie,	. 3	170
One X. Copins Homostynia removembilly mented by	Beech	
mp	. 3	179
Dyspers,		185
Print,	. 3	EG
Perer,	. 0	(60
Solemen,	. 1	193
Thire.		194
Appeling		Ib.
Diarrico,		195
Emiciation,		100
Face, &c.	. 4	101

CHAPTER II

Discounts,	501
Diagonali of the first period of Patteria.	000
One, X. (bis). Phthasa recognised the severteenth day from its	
irenies,	1365
Diagnoss of the second period of Philane,	210
One XL Branchiel Direction in the postern of the Longs were	
taken for a Toburrainus Excuration.	515
CHAPTER III.	
PRESENCE AND PARCETT DECURRETE REPORT SECOND	
starts,	217
CHAPTER IV	
STREETING OF ULCERATIONS OF THE EFIGURETY, LABOUR	
AND TRACEIGA.	213
Axx. L. Symptoms of Circumstants of the Epigliottic,	
One, XII. Utcerations of the Epiglistic anacommunical by those	220
of the Larges and Trackes,	995
X III. Complete desiraction of the Epiglettis, XIV. Doop Ulcerations of the Epiglettis and Laryan,	200
A STATE OF THE STA	227
ART. H. Symptoms of Ulcomood Laryes, 11L Symptoms of Electrical Treatme.	22)
One, XV, Large Ulcerations of the Trackets. Symptoms very	
indistinct,	210
XVI. Extensive and done Ulcorations of the Trushes.	220
Destruction of portions of the Cartingiana Rings.	
No Symptoms	946
are adjustment	-

Industration of the Lining Memberne of the Truckes wit	b
out Committee,	252
CHAPTER V.	
SEMPERATOR OF THE CARDES ASTROLOGY OF THE GAPPE	ic.
Meerin Monnison,	233
Aur. I. Symptoms of Softening with disclaimed Thickness	c
the Micross Munkeaux of the Stomack,	
One. XVII. Predominance of Gartrie Symptoms,	256
Any IL Symptoms of Enformation of the Macons Men	ji.
lease of the Stranch when Spotch to or antend	c
rection, and a single and the	263
Ten XVIII. Storegly marked Games Symptoms,	264
hav. Ht. Pyropous cheeved when the Manous Membrans of	t
the Stamusk is red and sphened in the great Cal	1
de-sec.	270
Data XIX. Petr and alignery marked Gastro-Symptoms,	271
Aux. IV. Symptoms of Suspir Uncerations of the Gustrie Manua	
Membrane, , - , G	375
See, XX. Butter processor Guitale Symplesses	n.
State of the Depositive Practical when the Gustrie Mason	
Discount was Minuffeled and Greyals, also when	
it was parfettly touch,	290
Meanity of the four proceding Sections,	281
bus XXI. Incomplete () cause of the Gastrie Mucous Meye-	
NYU Tanahanana da ana ana ana ana	383
XXII. Transformation of a parties of the Muscalar Con- into a Semi-caming mass Substance,	000
an W. Grant of the Women	286
se. XXIII. Tongue of a deep red, at fest maint, ofterwards	201
dry. Gustric Muccous Messistence healthy,	204
The state of the s	-0475

CHAPTER VI

Printed or one Garress Orman,	2001
Ass. I. Generate Paretonics 3174	06.
II. · · · · · · · · · · · · · · · · · ·	500
CHAPTER VII	
Cracent Staffons	[33]
On XXIV. Vennetia Archine flynol i con-A-	
XXV. Circumstant Science and Different	-
persist softening of the Time	200
XXVI. Parad solveng or the Direct	28.5
CHAPTER VIII.	
SHAFTON ALL	
VALUETIES WHICH PROTONS PROTOTO IN THE PROTOTO	ma
One XXVII. Parkets laters during Twelve Mostle.	319
XXVIII. " " " 10gls "	itti
XXIX Timy .	337
XXX. " " Tity thronic, ireticolood,	333
XXXI. " Engine Telepries.	340
XXXII. " " Tuberculous Patrices between I	Par-
Honeal Falm Membrass,	345
Soundry of the six preceding Observations,	. 000
Acute Philing	352
Out. XXXIII. Philips find on the Therry-title day,	10.
XXXIV, Assie Plakisis. Consciouse Presumes	15/1
cause of Death,	357

XXXV. Pithisis fittil in Pifty Days;	202
XXXVI. " " in Forty-eight Days,	368
Seniousy of the preceding Observations,	373
One XXXVII. Plebins first in Thirty Days,	374
CHAPTER IX.	Ä
STREET, OF PRAFFICATION OF THE LESS BY TERRESCIONS	
Bornson,	
One, XXXVIII. Exposation communicating with the Pleans and	
Broncins. Beatly Thirty Days after the Per-	
fertion,	b
XXXIX, Excavation communicating with the Pleases,	
but not with the Brouchia. Death, Theor	
Days after the Perionsics,	383
XL. Exercution communicating with the Ploute and	
Beselia,	387
XIA Eccusation communicating with the Pleans	
and Brenchin. Druth, Eighteen days after	
the Performany	200
XLIL Exercities only communicating with the Plea-	
ms. Doub, Thirty-six Hours after the Per-	
foreign,	201
XLISI. Econystion communicating with the Pleure and	
Brouchia. Death, Twelve Hours after the	
PerCentina,	308
Analysts of the preceding Observations,	401
One XLIV. Exercities communicating with the Pleure and	
Brenchin. Drenh, Six Days after the Perforation,	0,3
Photographics (Self.)	400

CHAPTER X.

Studen Danier,	-014
Asy. I. Unexpected Deaths, which may be explained more a	T
less planning by the state of the Degans ofter Deal	to The
Oss. XLV.	330
XLVI.	616
Aur, L Bellen Deaths, which goe and recented for by the	0
post scenni appraisees:	422
Ors. XLVII.	15.
XLVIII.	425
XLIX.,	423
Tei	633
CHAPTER XI.	
Carres on Persons,	437
Inflymor of Sex,	438
e of Possesses and Florrity,	1.160
* of Kronstate	-611
+ of Dreis,	195
Bereliney Industry	446
Influence of Age,	447
CHAPTER XII.	
Teratograp,	446

APPENDIX.

Trimmaron's Arreston 1 4 4 4 4 4 4	GT.
A. Objected Disologuest of Philipping	b.
R Danguou of Philates, 1	m
C. Independ Sex in the Productor of Pathining 4	Gi
D. " of Promoting	60
	67
P. P. of Dress.	68
	23
	73
	77
The second secon	79
	h
	80
* if Miseril, *	à.
" of Inpere Air,	N.
of Active Life in Open Air, 48	81
" of Sedentary Life with confined posture of	
	Ď.
William Address to America	2
and the second s	ia.
	34

SYMPTOME.	TIX
Indirect of Climate:	121
Contagion of Finteen,	450
Inflances of Season,	458
H. Gosy in Transmic	117
AMERICAN EDITOR'S APPENDIX,	1923



AMERICAN EDITOR'S PREFACE.

The edition of Louis's week an Philipin in called the republication of Dr. Cowan's translation, and such a substantially it. Ver I should feet that I was writing it my they as
Editor, did I not make the following attenuate. There are
many common to the English translation, more of which are
not very important, while others undertally after the signification of the original work. All of these taxes been supplied.

Dr. Cowan has also believe more enough. These experiences
are more composed. Allow, but were a mercury, I could
give a line of courts; it is of hule moment, however, for me to
state any thing further than this, that the respublication differs
very materially from the English combining.

It will be usen that I have placed all Do. Comm's additions pashe form of an appendix, instead of having them acatored to various pures of the work. Some sections of this appendix are very valuable, or for example, C. D. E and G. Three contain the analysis of facts collected by such men in Points Dachatelet, Beschitzer-Characterist, band laborers in the cases of release, and who never by down a principle without lawing it vest upon a fam foundation of facts. Three sections contain likeway resonances of valuable memoirs by Dr. Lombard of Geneva, &c. Three summaries are in general

made correctly, but in one case there are so many diseropancies between the statements of Dr. Costan and the original paper of Dr. Lombard (side page 472), that I have found it impossible to account Dr. Cowar's remarks inthout altering the whole paragraph or omitting it altogether. The Essay on Treatment, D. I condulty confers I should have preferred not to have some appended to a work written by Louis. Let me be understood. I do not doubt that many valuable remarks are contained than in, for where is there my effort of the limitus mind which does not contain some math? But in quoting, as Dr. Cowan Lao, from works which are written as differently as parolide from the strict method purmed by Lenis, he has implied that the himself is not so devisted a disciple of the Numerical School, as me were led to expect from his having undertaken to translate a work of this kind.

It may be used that I wish to excite a perman spirit by this remark. For he it from one to wish for overs and intolerance either is medicine or religion. I wish to see one boddly express his opinion and art up to it. It is the popular chann of the Nemerical School that it invises all to become laborers to advance the hely cause of much; it tells all that if they will strictly follow in rules success will be the result. It teaches every more that he oughs not to consider any principle as certain which has not been proved. Dr. Cowan quotes from many who do not held this maxim to be true.

I have given in this re-publication all that is contained in the original English translation, but I would particularly invite the reader to judge of Louis's method as it stands developed in the text, and after his decision less him perme all the addends is which, as I have already stated, are some valuable principles, and very many important facts. The original work on Philinia was written and published before that on Typhia was communical. This is the moon why the former has not men, a faithful aspen as the latter. It is not, as fact, so pulmopalestly teriton, the Nanconal Method is less perfectly doplayed as it man in the two volumes on Typffus; but it bears open in face, as the whole of Louis's uniting, do, mathematical execution. Need I exp more than this to induce any latter of much to person this volume attentionty.)

It will depend upon the arreption their weeks meet with from the public, whether the translation of the removaler of Louis's writings be sandertaken, but I topo an long that the whole of them, which have meet yet been published in the manney, will appear in the present chaps.



TRANSLATOR'S INTRODUCTION."

"The foundation of all knowledge must be a cereful and extensive acquisition of feets; and the first duty of an inquirer, in any department of extense, is to hind himself down to such a patient accumulation, bewaring of all premature attempts to combine and generalize them," — Vide Alterenumbia on the Anteliest, Poures, page 375.

"Ce que so rattache à l'espèce haustieu, considere en maini, est de l'ordre dus faits physiques; plus in nombre des introdus qu'on chierce en grand, plus la selonté unitableille s'efface et latter pro-domaire le série des faits pénéraire." — Quetelet de l' Juffacese des Saupes sur l'Homme. Bianulles, 1832.

WHETHER we give publicity to our own restruction, or become the means of disseminating the opinions and investigations of others, we should be alike accusted by a conviction

*Since much of the information seatment through the source of this introduction, respecting the author and the method be has previous, to be sourced, must have postered poculiar apparamities, the translater field called upon to say, that he has spend mostly four years in the longitude of Paris, that he assistancely followed the nists, post-mostoms and locarries of M. Louis, at La Pitie, for twolve muche; that he has been beauted with the priests intimary of the sudar, and by his histories improved the tables from which the priestst referre was composed, as also thous the list researches on the "Affection Typhinde." These various sources have all compared to impress him with a deep restriction of the value of M. Louis a works and mathod, and his presenting the English reader with the present volume is a simple consequence of his sincervity.

of their stility in the abstract, the want of further information, and a conscientious impression that the facts they embody are the literal transcript of realities, and not the distorted or partial staterials so easily accumulated for the support of a theory or the making prevalent individual opinion. moment like the present, when books are daily teeming from the peess in almost every department of medical science, my useless addition to their number ought sempulsurly to be avoided; for both time and intellect are wasted in the discrimiontion of what is workless or mere repetition, instead of being accupied in the acquirement of what really forms as increase to the knowledge we already passess. In the more positive sciences, the evil alluded to is less sensibly felt, the greater precision of the principles on which they are founded, limiting the field for speculation, by giving a necessary convergence to faithfully detailed phenomena, and at the same time acting as guides for the rejection of inaccurate imperfect description, or hasty ill-digested induction.

Medicine, for many very evident reasons, has been and continuen to be the victim of varied and contradictory hypotheses; — the minds of all who have attempted to trace its deviating course, have wearied in the vague conflict of opinions, and have either abeltered themselves under the authority of a name, or satisfied their doubts by the creation of a principle quite as hypothetical and uncertain as any by which they were previously bewildered. This favored progeny of their fancy, like colored media to the vision, soon tinges all intellectual combinations, and fabriles the very evidence of the senses; facts teem to multiply in its support, and what at first was regarded as probable, soon strengthens with the food hope of discovery and the assent of eager, uninquiring enthasiasts, becoming the basis of a system from which diment

involves error, and opposing facts are either overlooked or discredited. With each a mental bias, the very talents and researches of an individual become injurious to a profession bewould otherwise have adorned, and how often in looking back. over the history of medicine, can we see, as it were, our progress arrested by some favorite dorms of a powerful but prejudionil mind, until a rival intellect Tays have the fallacy, creets another is its stead, changing lotte more than the name of what it thought to have annihilated. The "Solidets," the "Fluidits," the "Brownits," the "Callensts," and the "Broneauta," with many others, have undoubtedly obstructed the path of ngorous and impartial observation, by limining the wide field of philosophic impairs to the ton often forced adaptation of facts calculated to support their own poculiar and almost necessarily imperfect conceptions; and although their labors large not been finitless, and much positive knowledge may be gleaned from the mats of their invesfigations, who does not find that its volume has been infinitely. lessened, and its value impaired, by the pre-existence of a principle it was intended to astablish, rather than eliminate? The case with which a theory may be proposed and supported, is exactly proportionals to the vaguences of our knowledge, to the absence of importial incomemble facts; and until the latter have enjoyed that natural procedence which has been granted them in every science that deserves the name, our deductions can never be established upon any satisfactory and lasting foundation: Could gerius grasp the bearings of those laws which influence the health and modify the diseases of organized beings, mill, observation would be necessary to test the truth or falsehood of its inspirations, but from the finior nature and commeted links of the human faculties, the meessity of observation if not more absolute is at least more glaring,

and the conviction of our mental feebloness should make us shrink from all hasty poccocious generalization.

Let the candid inquirer contemplate the mass of crude amorphous materials which ages have accumulated; let him glance over those creeds of medical infallibility which have successively risen and wanted in the opinion of mankind; then let him direct his view to the living representatives of systems either stamped with antiquity, or attractive by their modern feediness and apparent novelty, and what are the conclusions he must form? Let him change his locality and he changes his principles, while every where focts are their reputed foundations. The pure antiphlogistics of the French, the contro stimulants of the Italians, the consequatio of the Genuars, and the hepatic motorous of England, all lay claims to his attention, and are all recommended as the fruits of long experience and multiplied observation. The discovery of truth from such conflicting testimonies, if possible, is at least a Herculean task, and he either becomes the bigoted partisan of a sect, or what is far sure rarely the case, senolved to have recourse to rigorous importial inquiry. The results of his labors may indeed be ussatisfactory, and must necessarily embrace but a limited portion of the wast field of medical investigation, he will, however, emore the satisfaction of collecting materials available to others, and have sacrificed the desire of ephemeral reputation, to the far higher motive of being really useful. It is indeed a subject of sleep congratulation, that minds such as those are daily multiplying, and in looking back on what a few years have effected, there is every encouragement for fature anticipation, and every reason to suppose, that the results to which we shall obtimately arrive, though probably never of any Utopim character, will at least commend themselves to the reception of every sound and unprejudiced mind.

What names, we would ask, continue to survive the oblisious tendency of time? The detailers and chroniclers of facts not opinious; the latter have long " sunk into the abyse of forgetfulness, and truth alone swims over the was extent of ages."

Our author presents an interesting example of the effect produced upon the mind, by the contemplation of the ancertain nature of much of our medical knowledge; and he is also an illustrious proof of what the exertions of a single individual can effect, when, unfentered by theory or system, they are steadily directed to the simple unbiasted observation of facts. M. Louis, from the age of saventness to thirty-three, studied and practised medicine in Russia with considerable success. Gibed with a naturally active and inquiring mind, the multitude of opinious contrasted with the passeity of facts, could not fail to create great dissatisfaction and ascertainty as so the validity of many of the principles must generally admitted, and on which much of our practice was founded.

Accidental cocumutances as the close of this period bringing him to Paris, he soon became acquainted with and eagerly
stortled the writings of the celebrated Broussis, at the same
time anishously following that distinguished pathologist, both
in the hospital and became room. The impression produced
upon his mind by this direction of his studies, was, that while
M. Broussis evidently period others to be every, he was
very far from demonstrating himself to be right; that while he
rendered palpable the doubts which might removably be entertained respecting many of our present principles, he had
failed to substitute any thing more anisfactory in their place.

From this moment M. Louis resolved to devote himself excharterly to observation, solely accusted by a desire to relieve
oppressive doubt and incertainty, and with no intention of
ever giving publicity to his labors. He at once decided on

remaining at Paris, as affording the best opportunities for prosecuting his intentions, and entered the hospital of La-Charité as a chaiced clerk, under his found Professor Chomel. For easily zeron years, including the flower of his bodily and mental powers (from the age of thirty-three to forty), he consecrated the whole of his time and talents to rigorous impertiel elservation. All private practice was relinquished, and he allowed no considerations of personal emplorment to interfere with the resolution be had formed. For some time his extreme minuteness of inquiry and accuracy of description, were the subjects of sacrang and ridicule, and can bono trus not unfrequently and tauntingly asked. The absence of any immediate result seemed for a time to justify their contempt. of a method involving too much labor and personal sacrifice to be generally popular or easily imitated; and M. Louis himself, at moments, almost yielded to the increasing difficulties of the task he had undertaken. No sooner, Isowever, were his facts sufficiently numerous to admit of numerical analysis, than all doubt and besitation were dissipated, and the coavietion, that the path he was purming could alone conduct him to the discovery of truth, became the animating motive for fature perseverance. Many of the results to which he arrived soon attracted general attention, and among those who had fermerly sesided his method while they admired his zeal, he found many to appland and a few to imitate. From this mement may be dated, the presence of that strong impression of the recessity of exact observation, by which the school of Paris has been since so distinguished, and which is now gradonly pervading the medical institutions of the continent and our own country: it is undoubtedly to the author of the present volume, that we ought to ascribe the practical revival of that system, which had for ages been verbally recognised but

never before rigorously exemplified. For the last five years he has been physician to the hospital of La Pitië; the number of advanced students (principally English, American, and German), who follow his write and classed because, are the best testimonics to the indefinigable neal and todays with which he still pursues his investigations, and, contrasted with the new deserted wards of M. Brounair, forms a practical illustration of the striking change which has been effected in the spirit of medical impairs.

With no preconceived views of his own to establish (and we believe, no one who has, will observe seven years!) all results from such researches cannot fail to address thouselves to our confidence, and in the present instance they have not only the additional value of having been made at a period of life when the judgment is matered and fancy regulated, but by our who, so to speak, began his sholles after several years practical experience of their difficulties. He regarded such individual example of disease, as a problem which could only be solved by patient and exact observation; with this conviction, he studied off the functions during life, from the commencement of the disease to its termination; for the same reason be examined all the organs after death; and when attempting to arrive at any general conclusion, he not only analyzed the facts he had collected relative to that disease, but submitted them to a rigorous comparison with other diseases which were at all analogous. It is evidently one thing to determine the series of symptoms, or alterations of structure, which are present in any particular affection, and another to discover what symptoms or alterations are special and cluracteristic: the one is obtained by confining curselves to the disease itself; the other can alone result from comparison. A very short time was sufficient to make the discovery that observation was immensely difficult, a fact which authors have hitherto overlooked, thus plainly proving that they themselves observed incompletely. The power of cornect observation is not the attribute of ignorance, but is ceteris paribus, altrays proportionate to the knowledge the infividual possenses. With what additional profit and success does the painter, the sculptor, the maximist, observe after a long cultivation of their respective arts, and how numerous are the details detected, which would wholly escape the unpractised nosice? Now, if an accurate conception of external charactors, when passive under the eye of the observer, demands long and patient exercise for its acquirement, how much greater must be the difficulties surrounding the complicated mechine of the human frame, under all the varied influences and the immmerable medifications of which it is susceptible? The phenomena are not only complex and ever varying, but they must often be examined through the distorting medium of a suffering and fanciful mind, and are frequently described with the intention to mislead and deceive. Not to be continually the dupe of such sources of fallacy (and the most practised do not always escape), requires long habit and extensive general knowledge, and no one can have apprenticed himself, as the author in his preface remarks, to the trade of minute and rigorous observation, without a deep conviction of the difficulties attending it and the necessity of long continued регременансо-

We see the more anxious to insist on the great difficulty and infinite importance of observation in medicine, since the very impression is an element of success, and of that caution we should never be free from, in the accumulation of facts, by which our own opinions and those of others are to be regulated. The general habits of our schools and hospitals render the warning still more meessary; for while observation is nominally recommended to the student, and even sometimes. pursued with zeal and partial success in the first years of his medical studies, it is too often thrown aside with the clumarter of student, at a moment when he is just beginning to acquire the power of placeving correctly. The very first that the sade is, in the majority of instances, imposed upon those just enturing their career, is calculated to impress the mind with a very imperfect and insufficient idea of its importance. The student should be rought as well as allowed to observe, and the results of his first attempts exposed to the strict sentiny of a master, who has not himself relimptated the occupation. He should be habitumed to analyze and compare the cases he has collected; the time and attention necessary for even a small number of fient, to reduce them to order and trace their relations, would convince him of the difficulties to at first Tittle anticipated, and at the same time improve him with the importance of the results a more extensive and correct application of the method would insure.

The advice of the illustrious Sydentum on the principles which should guide the observer, should never be forgotten. "In writing," he says, "the history of discuses, every plalosophical hypothesis which has perposessed the writer in its favor, ought to be smally laid uside, and then the manifest and natural phenomena of discuses, however minute, must be noted with the atmost accuracy." We should indeed never replace description by opinion," or employ words and expres-

^{*} Appearance should always be described in terms which movies no opinion as to their custes. These are the objects of separate examination, and will be best understood if the facts are given fairly, without any dependence on what should pet be cusetilized unknown; this rule is very countain where the facts are in a certain degree complicated."—Drugges Stew away.

sions, the meaning of which is not definite, but might be interpresed to coincide with the possituaties of individual opinion. "Temperament," "presentatio spata," "citardal expectoration," " marked febrile movement," " Lealthy state of the digestive tube," and an infinity of other expressions, should never be substituted for the simple description of what see include by the terms. The value of particular phrases is relative, and liable to vary with the daily progress of science; their real meaning can only be summed by reference to the prevalent opinions of the time. The observer should always recollect that the reader has no means to judge of his skill, but in proportion to the minuteness and precision of his deacciptions; this observation should be sufficiently complete to enable a stranger to understand and employ it, the language should be clear and coucise, and in all enumeration of details, the talest of saying a great deal in a few words should be assidoously cultivated. The sums of attention to this rule, renders the perusal of the great majority of observations itksome and fatiguing. Lastly, let him nover forget, that more opinions and unsupported conclusions earnes he admirted as additions to our knowledge, until they have again been exposed to the searching ordeal of facts; while, faithful description, can never cease to be valuable, however abound the hypothesis it may have tended to establish.

But observation, however extended and exact, is of itself insufficient to governe conclusions, for, collected as our faces must have been, through a series of months or years, and consisting of an infinite ventery of details, no memory could recall and no mind could grasp their complicated relation with each other. To accomplish this, the "numerical method" is necessary, that is, counting the number of all the infividual faces,

companing their relative frequency in cases of a particular class, and then determining their real value, by a comparison with facts of other classes, which have also been reduced to similar elements. This is the plan pursued by our author, and which must be adopted by all who would seek to establish truth and arrive at general results. Haberto we have estisfied ourselves with the authority of experience, and in currency in medicine is such, that any definet definition of its value has searcedy been emerapted. But let us impairs what is really included by experience ! Is it not the expression of the conclusions of the mind upon one or more subjects to which the attention has been habitually directed? In it not, simply, thufinal impression produced by a review of the part? If the discovery of truth be its tendency, why has individual experience been hitherto so discordant? The answer is only. In a science like medicine, where the difficulties of ollogreation are so great, and the objects to be observed so numerous, where theories bias, and individual perulamics necessarily exert their influence, nearly all, if not all the conclusions of more experience are varying and fallacious. Who does not feel himself antically inclined to study one class of affectious more than another, to be arrested by particular symptoms, to be more interested with facts, which apparently coincide with some favorite views he has either afopted from piners, or imensibly formed during the coarse of his studies) Howstrongly all extraordinary facts and what we call interesting omes, are engraven upon the mind, and forever prominent in the retrospect, while the great mass of wellinny and, consequently, important occurrences are overlooked and forgotten? Some unhoped for success attending the means we employ, how family has it associated the care of the discuse with the

specific nature of the remedy, and how easily do we admit an a fact, what the observation of another proves to be the mere expression of coincidence? Every practitioner has his pecuhar therapostics, his favorite dogmas to support, and successes to beaut; and when we reflect on the immunerable opinions which exist on all complicated subjects, where opeclations are founded on the materials of unsecorded individual experience, materials, which opportunity, education, and a thousand accidental circumstances are forest modifying; we cannot, I think, he surprised that the results of experience in medicine, have not been more uniform and satisfactory. While anxiom to imposs upon the reader our conviction that unrecorded experience can never become the corner stone of any science. whatever, we admit that it has justly acquired, in a few rare instances, unusual relative value from the expacious intellect and retentive memory of some highly favored minds.

Devoted as we have described our author to large begans the observation of facts, and divested as he was, from the very state of mind which actuated him to the course he so undeviatingly pursued, from all proconceived epinions, yet it was impossible that, during so long a period of time, his mind should not have been unequally impossed by the phonomena before him, and have unknowingly fixed some in its rememberance to the exclusion of others, instinctively allotting them a relative value, and arranging them to favor some dipriori conclusions. Now no circumstances could possibly have been these favorable to test the value of experience, than those in which M. Louis was placed; yet, when at the close of his labors, he submitted all his facts to the unerring test of arithmetical analysis, in every instance, more the dipriori conclusions, which he had formed from the recollection of his own

facts, found to be erresteau.* This most remarkable result ought to be indelibly engraves on the most of every observer, and impree a doubt as to the validity, not only of the experience of others, but of what he has hitherto perhaps considered almost infallible, his own.

If science consist of laws which are the expressions of faces, what course ought me to adopt for the purpose of arriving at those laws? Undoubtedly one which lends to the discovery of the relations of our facts, their differences, and the amount of those differences; for, a law is only a formula expressing in definite terms the value of a constant relation existing between a certain class of facts. This can only be effected by the sumerical or tebuler method, against which much ridicale has been directed, but on which every positive increase of our medical knowledge must be founded. M. Louis does not precend to be its discoverer, but he is fairly entitled to the ment, of having been the first who has rigorously and extensively applied it to medicine.

We shall briefly describe sense of its most distinguishing features. The numerical analysis requires in the first place, a sufficient number of carefully collected facts on the same subject; our object is then to classify their corresponding elements, so that not only are all the details of those facts successively submitted to the mind, but their relative frequency and value more easily estimated. To effect this, ayasoptical tables are indispensable, and their number accentrally proportionate to the complex nature of the facts we are analysing. Each organ, for instance, must have a separate column, which

^{**} Quant je me sais fait une slice, à priore, der fait une neuen melysis.

Pai taquare va, après cutte analyse, que non sière, à priori, even faure." —

Letter addressed to the Translator from the Author, Fans 22, 1951.

includes its description in every case we intend to make use of adopting as aearly as possible similar terms for similar conditions.

This, however, alone would be very inefficient, as in a complicated structure like the lungs, where so many alterations may occur, a long series of minute description would defy analysis from simple impection; each organ, therefore, in its turn, becomes the subject of a separate table, which also consists of subdivisious proportionally numerous as the object we examine in simple or complex. When we have thus arranged all the elements of our facts, we compare the results of our different column with each other, having it thus in our power to view them is their various relations, while we may at pleasure refer particular facts to their respective observations, the same number accompanying all the details which are scattered through a variety of tables.

It will be remembered there is nothing arbitrary in this mode of proceeding, nothing left to individual caption or preconception; for, in the arrangement of our tables we perform a purely mechanical operation, indiscriminately putting down all the facts in their respective columns, without any reference to the conclusions to which they ultimately tend. The correctness then, of any opinious we may form, is confirmed or rejected by a sest over which we have no control, and the evidence of which no well-regulated mind can resist, while not only the relative importance of many facts to which our attention had been less distinctly directed, or which we had wholly forgotten, is forced upon our consideration, but we are also led to the discovery of what we have only casually or incompletely described.

It will at once be perceived that certain laws, require for their elucidation, a much larger number of examples than others; where a hundred observations may in one came be sufficient, three times that number may be required under other circumstances. Indeed, as a general rule, the more complicated the objects we examine, the greater the number of facts accountry to establish our conclusion; for the number elements not being expented in all, their relative aggregate number must vary, and their real value can only be estimated by tracing them shough a larger number of analogous in-masters. Were we, for example, analysing one hundred cases of pleasing, the value of any symptom invariably observed would be considerable, and perhaps sufficiently established; but, were it only present twenty times one of that hundred, its real importance would be much less positive and require an additional number of facts for its decomingation.*

For the appreciation of trustment, the necessity for numerous facts is peculiarly apparent, for though a lumited cases would be valuable avidence in favor of any one system of

^{*} The translator, as if success to mo, is in error when he asserts that the value of a symptom which occurs only twenty times in a bumbed case is less posifire than that which invariably owners. It may be of less value, I allow, in the kinety of the distance, and may not give no so much aid to the recurrent, but its value, though less in degree, is just as positive as the symptom which require every time. A part is less than a whole, its value is lies, but may Make attached to it are he positive at those whether to the whole. How proces this agree of the translater! I cannot arround for it over on the aspeposition that for a moment be larger one grand point of the manneral method. at period by Loois, its durin unlying an electricia, a spagion next not be approved to be possest or almost union like presence or obsesses of each eyupton be stated in the original notes of the case. Had not that point here movemently overlooked, I think the error would not have investhe it is perfectly evident, that it, for example, in a bundred cases there be Boyal poin in the side in aff, and pain in the boal in twenty, while in the righty that remain there is no pain in the head, it is earliest that the rewill for our reprogram it just to possible as for the other. - H. J. B.

can be decided. These are also other sources of fallacy which must not be overlooked; such as the severity of the disease, the age and sex of the patient, the state of health at the time, the natural diseases of the affection, the spidenic influences which may be present, dec.; these are all questions to be solved before we can arrive at any positive results. From these rapid reflections, we may form some idea of the numerous difficulties which surround every question of the numerous difficulties which surround every question of therapenties, and feel the monestry of exercising the greatest caution in acciming any definite value to a sensely before we have well determined, by numerously analyzed facts, the exact circumstances under which its action has proved to be beneficial.* No part

* * Nothing emission can be done in the prognostic and especially in the carative part of physic, without are accurate and circumstantial distory of diseases; for how just possible to depted what will happen in a disturper, and proceed properly in the cure, if we are ignorant of the constant and factations electroscopic attending it; and the principle progress of it from the beginning to the end, when nothing intervenee is obstenct its codinary course, whether from minimizeness, seculent, or otherwise t* — (Vide Sphenkam. Swan's Ection, page 8 — pute of the editor.)

"There will mere be any great and considerable advance in the set of Acading, 103 all hyperflucts and mechanical straining are set of region, and fall men are runer about signia to the antions method of pure experiment, and the common obvious examining states from thence," &c., " Not a single mechanic has been discovered by hyperbores into the introduction of them into physic, almost two threatening years ago, nor have they let in the four light two the affect of minimizating modelness properly in particular ele-transmission, but rather strand to be attitude in the peoplex practice, and counter disputes, which are mover to be decided without faming receives to apparent entry, the from best of applicable in physic." To apparent to apparent entry, the from best of applicable in physic." To apparent the under attaches a very different idea from the general acceptation. He embedy setted to recorded experiment, or the tabular method.—Vale Bishop Received Procedure of the Human Conferentiality, pages 200—205.) Spicehous, in

of medical knowledge is more in want of some rigorous method of investigation than that of therapeuries, and this must ever be the case, until a system analogous to the one we have hriefly described shall be generally adopted.

It is not our intention, in advocating the numerical method, to conceal for a moment its difficulties; these are great and numerous, but at the same time they can never form any solid argamera against in utility, though they will necessarily curtail the number of its disciples. It is, in fact, the only moulod in our power to pinnue; it is the only course we can possessswer assertion, the only test for opinion, and though not all wecan with, and no doubt will over be found innlequate for the docision of many questions, yet its application to a sufficient number of tiets must inevitably give us the most exact and best possible knowledge of these facts, and we would ask the individual who believes that science is founded upon facts, what more he would require? " And if," as an elequent and distinguished writer observes, "after lursing arrived at the termination of extensive labors, the hope of some important gentralization has not been realized, our disappointment may find consolution in personal spring that the discovery of a single fact, well observed, well described, and well appreciated, is unquestionably an advance in science, white interiors and soducing theories, which may be received with general enthuliants, are of often nothing more than a retrograding." But should

his prefere, page 18, mays, "Bresever, I do not deny, but that the physician ought to attend exceledly to the method and medicine he uses in reving discusses, and to set them down for the error of the momenty, as well to the improvement of his knowledge, so that at length, after many years experience, be may like upon each a method of caring may particular discuss, as he need not in the least depart from." — Core an

not one general fact result, we are preparing materials which may be employed by those who succeed us, and if their accumulation and analysis will not ultimately extricate on from the labyrinth of uncontainty in which we are now straying, we may regard the discovery of truth as a vain and hepcless delimion.

There is no reason for the expectation on which many seem to rely, that a master mind will arise and dispel the darkness which hisherto has defeed our efforts to disperse, for "in the history of science," says Sir D. Beruster, "we see so example of an individual mind throwing itself far in advance of its contemporation, but the achievements of intellectual power have ever been the result of combined exertion. The powers of analysis and combination are applied to the humbler labors of observation and experiment, and in the ordeal of rival inquiry truth is published from error." Besides, from the clear and distinct contemplation of numerous facts, unshought of affinity is traced and unexpected results are discovered; results which genius could never have forescen, or hypothesis embraced; for while their existence is thus demonstrated, all clue to their explanation seems lost.

How could we have accertained that tubercles in any organ of the body, after the age of fifteen, involved their presence in the longs? That plubisis almost invariably commences in the upper lobes? That it is more frequent in section than in men? That presented is more easily resolved in a suberculated that in a bealthy long? That simple branchinis commences at the base of the longs, pursuing a course inverse to that of plubisis? That chronic peritoritis indicates polynomery tubercles? That acute affections, when five from complication, are generally confised to one side of the body, or one part of an organ if single? How could these and many other results, be And what theory have we ever beard of, which could have led us to the same conclusions? Had they been advanced as the fruits of speculation, how about some of them would have appeared, and their very assosmoment would have abnost ensured their prjection; but founded as they are on the evidence of facts, our ignorance of the laws on which they depend is no but to their practical utility. We know of no considerations more directly in support of the numerical method, or more encounging to all wim have the necessary opportunity and personnents for its adoption, than this abnost spontaneous creation of laws, which must have escaped the sagnesty of reasoning, from the ample fact, that when demonstrated, they refine to coalesce with any of our preconceived opinions.

But to arrive at any definite and characteristic knowledge of disease, it is not only successary to have collected numerous observations and exposed them to a rigorous analysis, but so have instituted a comparison of that disease with all others with which it may be confounded, for the purpose of arriving at in specific and distinguishing features. The bounist not only collects a variety of plants, and by strict observation of their physical characters, groups them into classes and families, but by careful comparison sucks to determine those peculiarities by which they may be individually distinguished. The chemist, the comparative anatomist, follow procisely the same plan, and in medicine we see it exemplified in the ever-varying classifications of nosologists. The hitherto imperfect state of our pathological knowledge has necessarily included that of our classification; the latter can rever by satisfactory until it may be regarded as the ultimate expression of our facts, rather than a prospective attempt at generalization. Wewould, therefore, particularly direct the render's attention to the comparative results of the nathor, and when he reflects that the same process was pursued for their attainment as for those of the principal affection, he will be more sensible of their value and more capable of approximing the since and labor comprehended in a few heirf lines.

The picture we have drawn of the obstacles opposed to the successful application of the analytical method, is not, we are aware, calculated to ensure popularity, and many will return to the less laborious and less responsible opinion, that anything like certainty is medicine is chimerical; let it, however, be remembered, that "the difficulty of acquiring accurate knowledge, is an admonition of nature, which reminds man of his seakness, and the castion he ought to observe," and for the encoungement of those who coincide in the views we have expressed, we would remark, that while the exertions of any one infividual are comparatively insignificant, yet when united with those of others, their value would seen he apparent; and we feel convinced, that the labors of a hundred medical men, strictly undertaken on the principles we have advocated, during a period of twelve months, would do more for the elecidation of many of our difficulties, than the uncertain materials of the last two thousand years. To justify this assertion, we refer to the solitary labors of M. Lean, whose works will be increasingly appreciated with the progress of philosophical investigation, and in durability and value will long survive the ophemeral productions of more popular hat theoretical uniters.

The state of every department of science, the physical means in our power for the examination of disease, are all greatly in favor of success, and whenever we shall be in possession of a sufficient mass of unvanished facts, there are no rational grounds to suppose, that facts in medicine will not, to a certain extent, affect what they have invariably done in every other branch of human knowledge to which they have been impartially applied.

It would be easy to enumerate the obstacles which opposethemselves to the progress of medicine; the want of expenment (though let it be recollected that observation and experiment differ rather in degree than in kind), and the consequent difficulty of tracing effects to their tran extrem and rice versit; the presence of canal relations from which we comes disentember our facts; the influence of powers which modify the phenomena of disease, and aid or countenest the action of external agency; these must all moderate exaggerated expectation, and reader a long senses of observations a necessary. profeminary to our universe at positive results; but at the some time they cannot be addresed as arguments against the only method in our power to pursus with any rational hope of success, until the insufficiency of that method has been demonstrated by a fair and unprejudiced trial : - this has not get been done.

It cannot be objected that the action of morbife influences upon the frame is in many instances not regulated by definite or deducible laws, and that the variations of discusses are such, as to defy classification, and nullify the extension of our conclusions from one individual to another. On the contrary, all analogy is against such a supposition, and the little that has yet been done is equally in favor of an opposite inference. In these no correspondence between the descriptions of Hippocrates and Arctoon, and what we are observing at the present moment? Has time, has climate, has civilization, have habits efficied one incoment from the likeness they have faithfully drawn? It is only when the objects of contemplation are few that individual varieties seem infining, and as we never could

have deduced the spherical figure of the cursh, by regarding the trequalities of the surface we are immediately transing, but which from a higher elevation do not interfere with the grand outline characterising the whole, so in medicine, whenever large masses of faces can be distinctly unfolded to our view, the peoplesing individual varieties will be merged in some leading predominant features, acting as guides to diagnosis, and forming the ground-work of therapeutical indication.

Admitting this to be the case, our labors and the number of observations required cease to be indefinite, for such is the uniformity of nature, that many of the inductions of science stand as ascurely on the foundation of a comparatively few well observed facts, as they could do on the collected observations of every possible individual fact of which they are intended to be the expression.

We may then, without any enthusianu, suppose that this in many instances would be the case in medicine, and that the essequencive results of a very few individuals would give satisfactory solutions to questions which are now uncomingly preexamined and solved, to suit the views of every impairing and innovating mind:

The last few years have been unusually facile in the accumulation of arcumately described facts, but scattered as they are over a wide surface, they are necessarily only partially known, and their aggregate value cannot be appreciated. An immense mans of knowledge is, therefore, constantly lying idle, which, if properly analysed, would frequently embody results by which much uncless expenditure of time and talent would be avoided. The application of the numerical method to the facts already in our possession, would be as eminently useful undertaking; and by thus deducing the history of dis-

cases, we should make an inventory' of the science; and he embled to determine the amount and value of the materials we possess. Did we only succeed in demonstrating the poverry instead of the riches of medicine, we should at least have more accurate ideas of what we might trust to, and a more exertain criterion of what in future may be expected. Such a survey (Donelas) would advance medicine by the very act of its being made; the very strong up of all its pairs would conduce to their future productiveness, as the mere himing up of the soil augments as famility and adds to the plenty of the enoung hurvest. Medicine, while it was surveyed, would be unintentionally enriched, and reeds that had long remained domain to it, being brought to light, would immediately veretate. What was already acquired would gain in value; and the line would be clear and defined from which others must depart to obtain fresh accessions. I

- * If Fore merits of felter month to more conductor to decide a decomposite from a subscale, recombing an increasing of the mate of mon, of all the factorisms which are now extract, and of which their extensity receives mon, what things are yet hold impossible or not recovaried. Batters.
- I The engagement has been word upon by M. Chrymmon, in his images and those at Paris, June, 1812, conclud disease yet (in Community in programs). A correlated de Parc. The ended spent several months is influenced all the observations for could find in the extrinsive (flying of the solution) been other sources. Be could only available of the law banded and dispositive, having rejected norm than the bonders, which common their except the diagnosis, and often the first poorly the sext. While regreting the few satisfactory confirmments in drawn than his analysis, by artificial indicators extractly to the measurable of his manyida, and not in the months. Be regard have infinitely postered a reaction number of well interpret fields.

For also a talented those by M. More of Especie, of General on Comment we Medicin shift of Penter I Comment shift of Agric I Paris. 1822.—Com and

I Such an extramation, but in reference to measure of the from only, was e-manufaced by the Peris Society for Martinal Effectivation, in 1924. Every work which commitm facts upon the subject is to be analysed. — III. L. B.

Much benefit would we think result were individuals appointed for the special purpose of collecting the scattered information upon different subjects, and arranging it in the tabular form; habit would render the method less laborious, and point out some improvements in the process:" individual labors would thus be construitly converging, and the attention of observers be particularly directed to those questions which required further elacidation. By this means, many investigations which every constitutious practitioner is compelled to undertake for his own satisfaction would be rendered unnecessary; time would thus be saved, and exact observations more generally collected, not only because the labor of their analysis might be converted to others, but the afterntages of the system would soon be no apparent, as of themselves to become sufficient indecements. The bigoted supporters of hypothesis would cease to peoplex and bewilder, while all the intuitions of genius would find materials by which their troth or fallney might be determined; we should at length leave those first principles which are now daily questioned and contested, and lay the foundation of future progress by defining the extent of the knowledge already in our possession. It is only (Herselvel) by condensing, simplifying, and arranging, in the most lacid possible manner, the acquired knowledge of past generations, that those to come can be enabled to avail. themselves to the fall of the advanced point from which they will start.

The author in his preface has sufficiently enlarged upon

^{*} Do. Tohi's book of unalysis contains much valuable and ingenious information, and it is worthy attention, how for the laboratory he reclaimed by uniquing the ideas of that ingresses water. We recommend the week to the reader's person. — Cowas.

the plan of the work to render any additional remarks unascensory. As translators we have neither altered nor shridged the original, and have been as literal as the peculiarities of wider language would admit. The sature of the subject accessarily excluded great choice or freedom of expression, and the frequent repetition, inevented in the arrangement of such numerous details, involves a menotony of exple which could only have been are ided, by increasing the size of the volume and more or loss deviating from the rigosom nature of the system which M. Louis has followed. For the same remon, the difficulties of translation have been augmented, and while we claim the benefit of this consideration, the reader causet be more discatisfied with the number in which our task has been performed than we are consolves.

By omitting many of the observations and condensing the results, we might, perhaps, have rendered the work anore popular, but at the same time we felt that this could not be done without lessening its real value. The pulnology of plathists has not as hitherto been limited to the description of the pulnomery organs, and we regard the results arising from the examination of the disease in a general point of view, and not merely as a focal affection, as amongst the leading and most valuable features of the work.

The remarks following the individual observations, metade much valuable information, and are peculiarly illustrative of the author's reasoning and method; by either omiting or curtuding them, numerous references would have here meleus and assertious left unsupported, while the arrangement of the work premits the study of the principal results, independently of the facts on which they are founded.

After the accurate researches of Bayle and Laerner, M.

Louis has wisely abstained from any lengthened and minute details on the pathology of the lungs; he has simply described the results of his own observation, and we think satisfactorily proved the dependence existing between the groy, semi-transparent granulations and tubercles, which may now be regarded as occasional, not necessary gradations of each other. He has also shown how easily many apparently opposite opinions on this much contested subject may be reconciled, when all the phenomena attending substruker deposition are fairly appearinged. The existence of subsectes in the mannit of the lungs, their gradual progress and softening from above downwards, the presence of excavations nearer the posterior than the anterior surface, the greater frequency of tubercles on the left than the right side, have never been so clearly demonstrated.

The observations on the state of the broadmal mucous membrane, and the influence of the contents of the tubercular excavations, are peculiarly interesting, and must materially modify our ideas as to the agency of simple broadhitis in the production of phthisis.

The purhology of the largest has never before been minutely described, and we think the author's investigations important, both from their application to diagnosis, and from their giving clearer ideas of what is really included by the term " large-goal pathinis."

The connexion of pneumonia and pleurisy with pulmentry tubercles, the state of the pleurs, the situation of the adhesions, their influence in causing thoracic pains, are all deserving attention. The comparative frequency of subsucles in different organs of the body,* and especially the fact that,

^{*} We would refer the reader to some highly ingenious and interesting comucks of Dr. Correction the feestionies of taloreles (Option Pract.

after the age of fifteen, except in the lungs, they are generally every where at the same stage of development, form important data in any conjectures we may make as to the nature of the discuss. They are powerful arguments in favor of the affection being general, and not depending on inflammation.

The pathology of the digestive tube forms perhaps the most valuable part of the volume, and is calculated to modify the totally excessed opinions expossed under the term "dyspeptic plathins." The state of the liver contrasted with the mustly breakly condition of the uplesse, are facts of considerable interest, though in the present state of one knowledge they cannot be fully estimated.

The comparative examination of the glandular system with the mucous membranes, is particularly worthy the reader's attention, as it directly invalidates one of the most popular pathological doctrines of the day.

The chapter on the perfection of the large, centains by for the most exact information we possess on this investment complication, and is a beautiful illumination of the necessity and value of pathological researches.

The description of the symptoms, their succession, duration, character, variations, and relative value, must the practiculars's serious consideration, and should be studied in conjunction with the chapters on neute and latent phthisis. We would particularly point out the observations relative to the cough, expectoration, hemophysis, heetic, diambass, and emeristion.

We have already expressed our opinion on the value of the

Med. Vol. win page 2015, binding to present that there are prior cames healter influencemen, which determine the presence of talerculous earlier in particular region, and more frequently in one parties of an equal than mother. — Cow a.v. chapter on diagnosis, and we believe made some meful additions, by detailing the subsequent experience of the author.

The numerous and important additions we have appended to the chapter on the "causes" of phthisis, are the lent perofe of our individual impression as to its importance. Dr. Clarke, in the perface (page 20) to his valouble work on elimate, says, "I am well satisfied that it is only by a knowledge of the causes which lead to it, and by directing our efforts to counteract them, that we shall ever be able to diminish the ranages of commutation."

"The tabercular diathesis (page 323), is also induced by the operation of external or accidental causes, which I admit to be the most important part of the whole inquiry connected tritle communities." "Had the labor and research that have been wasted in fruitless experiments to cure as aremedable condition of the brugs been directed to the discovery of the causes and nature of taberculous disease, with the view of dedocing rules for its prevention and treatment, consumption would be regarded to a light very different from that in which it is looked upon at the present period." Coinciding with the opinion expressed by this able writer, we have endeavoyed to lay before the reader a large mass of circumstantial detail, which has never yet been approximated, and from the recent nature of a great proportion, is probably unknown to the majority of our readers. It carnot fail, we think, materially to modify many of our most generally received and apparently best established opinions, on the origin and nature of phthisis; and if in some of our deductions we have differed from the conclusions attempted to be drawn by the authors of the memoirs from which we have quoted, with respect to the modus openaudi of some particular influences, that differences has not arisen from any depreciation of their facts, but from succe.

closely associating them with other conclusions sledneshle from M. Louis's observations as to the nature and pathology of the disease.

Much unsconception has hinberto provailed on this most important subject, and for its smirfactory elacidation there is still great need of minute and patient investigation. No country possesses more means for the determination of the really active ensures of phthis than England, and it would be most desirable that government would enable qualified individuals to devote themselves to the examination of those influences, which so extensively react upon the general localith. Accurate information on this subject would materially aid the progress of modicine as a curative art, and point out a prophylactic treatment, the effect of which on the prevalence of national disease, and more particularly of consumption, is incalculable.

In estimating the author's remarks on treatment, the reafer ment not forget the nature of the work or the method to rigoronly pursued. Nothing is attempted to be advanced not streetly included in the facts before him, and M. Louis has purposely abstained flora referring to his own peculiar rious, either in pathology or thempestics, unless directly supported by the cases he is analyzing. We have abunde pointed out that the number of the observations is insufficient to mrive at any general therapeutical deduction, and the conditions of a general hospital, combined with the advanced stage of the discuss in the majority of instances, render the trial of any peculiar curative measures almost improvible. We should regret that this sterility of treatment should form my argument. against the advantages of pathological research, for while it cannot be denied that pathology his aircoily greatly rationalized the treatment of scany diseases, let it be remembered, that

there is no necessary or immediate connexion between the knowledge of merbid anatomy and currance indications. Disease includes far more than the physical alterations discovered after death, which often, indeed, full to explain many of the fonctional derangements observed during life; but the knowledge, which in the majority of imtances is in our power, of what organs are uniformly or secondarily affected under certhis electrostances, enables to more clearly to define the essential pathological characters of particular affections, and after we are in possession of this knowledge, to apply our remedies under the most favorable conditions by which their efficacy may be determined. Pathology is, therefore, the predecessor rather than the contemporary of successful therapenties; without its assistance the latter has no other hopes of advancement than the blind chances of empyrical experiment: the value of these chances has, perhaps, in the minds of some, been decided by the experience of the last two thousand years.

But while thus insisting on the necessary minimate inflormen of pathology on treatment, it is evident that we cannot defer the application of remedies until our knowledge of disease is complete. Treatment armst be tried, whatever obscurity may exist as to the nature of the affection. The absence of certain data from which more rational indications tright be drawn, must never paralyze the exercise of nor talents and ingensity in the discovery and application of remedial measures; we should always endeavor, as far as facts will permit, to arrive at some probable conclusions; and procisely in proportion as our remedies have failed, we are justified in exceeding the bounds of strict logical induction, in the tenearch of other means by which discuse may be more successfully combated. It is under this impression that we regret the author has not deduced

some general conclusions, as to the antire and treatment of phthisis, and in the imperfect amount we have made to apply the deficiency, our remarks are confined to a few inferential inductions founded on a review of its pathology and causes, and to the simple expenition of those means which have been most generally varieted in its cure; rather wishing to afford insterials to the judgment of the reader, thus tobus him by a selection of what would simply be the expression of our own individual opinion.

A popular and too often professional belief that phthis is incurable, has much interfeced with my extensive and well combined efforts for its construction; but surely, the moment when we are just beganing to answe at some account ideas as to its causes, its nature; and its seat, is ill adapted to justify an assumption which has hitherto been but the avowal of our ignorance. The increased information we possess, louely calls for fresh opportunities for antempring its cure, and to no object could national or individual bounty be more rationally or usefully devoted, than in providing means by which the powers of medicine might be adeautageously opposed, to what may be unfortheredly considered as the heaviest penalty which disease exacts from envitzed mass.

When we reflect that from one fourth to one sixth of our bills of mortality, comist of the rictims to plahisis, and look

^{*} Is access to one that with Lean's street views at the cutton to be pursual to the study of discuss and of their freedoms. To could not, without having departed from these sigms, him since as the translate regrets to his outsides. He gives so all be can gota from a series deduction from his tices, and leaves to others to try other modes of mexicant, and see if they be more tracial. Had be made they is greated morbitions in to the unitary and treatment of philades," he would first fature, as it werens to my other same error which must written as motherine have been fature as in, our third exhausting speculation for proof. — If, I. B.

mend on the numerous institutions that country can boast for a variety of very secondary objects, it does indeed seem passsig strange, that no systematic intempt has over been made for diminishing the myages of commuption. Our Small Pox, our Lock, our Founding Hospitals, are far less imperatively needed than the establishment of an institution specially adapted for the core of plathius: the conditions which it ought to include are quite incompatible with those existing in our ordinary hospitals, and we do not Institute to say, that naless the general influences by which the patient is surrounded are regulated, as well as the application of particular terrecities, so rigorous or satisfactory evidence of the powers of medicine in this disease, can over be obtained.

We have no intention of entering into may details on this interesting subject, but we submit the propriety of establishing public institutions expressly for the case of consumption, as strongly deserving the attention both of the medical profession and of the country at large.

In our remarks on treatment, we have insisted upon the immerse importance of prophylactic measures, and to encourage future perseverance, let us remember that we are still in the infancy of medicine, still standing on the shore with the boundless ocean of undiscovered touth in our view; that the infance capabilities of science still unfold an inexhaustible field for the exercise of our finite comprehension, we ought, therefore, to shrink from attaching bounds to our future progress, recollecting that ignorance is the only known limit to our mental vision, and that in " whatever state of knowledge we may conceive man to be placed, his progress towards a yet higher state need never fear a check, but must continue till the last existence of society." Medicine is not excluded from this encouraging prospect, and we cannot belp anticipating that

the case and the comparative extinction of philinis are among the benefits its future progress will confer upon municipl.*

In the foorth volume of the Erman, des Doctrines Millicales, by M. Bromain, recently published, one handred and thirty-five pages are devoted to the examination of the present treatise and other works of our author. The unexpected length of the preceding remarks, and the fact that M. Louis has himself published what we believe will be considered by every imparial mind a victorious right to the libberal and projudiced stiticisms of M. Brouvais, but to, and indeed renders unnecessary is the present minutus more than a low brief observations.)

The most fatal insouth upon the doctrion of intention leave arisen from the labors of those where importial observation and accuracy of description give them the highest claims to sur confidence. The two fundamental dogmas of the system of M. B.———, viz., that inflamentation, of some hind or other, is the active cause of all method alternation, and that glandedar doctace is consecutive to that of the meson meabranes, have been fatally invalidated by their companions with accurately observed facts.

"" It may not be the much to best," sulp Dr. Kleiserell, " that hy minor of a serie influence bearedage of organic charming, we may yet be obtain to detect in the maximum serrothers or in the blank than changes which not case the existence of the tubercular disclosin, and thus, probage, he had in diameter a secondy for the discusse below it has referred un best remain, and produced changes in the motives mention." The same pathologist inserves, that "pathologist's minority has perfuse, some affected more one-classes exchange in part of the constituty of a discuss, limit it has in that of subservalue philips." — Cow as.

1 Value Electronics de l' Expanses, de M. Republics, printerpoint a la Pitchine et à l' Affordier Physicise, par E. Co. A. Louis Press, 1854. — Con a se

The first we have always regarded as one of those propositions most easily supported, but most difficult to be proved; and it is only by an indefinite latitude of expression, which admire of being ingeniously moulded into accordance with our theoresical wants, that so much ban been written in the defeace of an idea, which too often, when practically applied, has no other foundation than our speculative belief in its existence. By inflammation we must either include a certain combination of essential conditions, or the term must be regarded as destitute of all scientific importance; to employ it as the expression of whatever we observe contrary to what rosults from a state of health is to make it the pliant tool of assention, but a merebugbear in scientific investigation. It earnor be dealed that organic and constitutional charges are constantly occurring without a trace of those phenomena, usually signified by the term inflammation; and to argue on the presence of a something the existence of which could never have been suspected without the creative powers of a theory is to reduce facts to the bendage of eqinion, and make their comparative aptitude for the support of our own preconceptions, the standard of their value.

Much benefit has resulted, we feetly admit, from the researches of M. B.——, more particularly from his investigations of these latest forms of inflammation, previously so unperfectly known and irrationally treated; but while sensible of his merits, and charmed with the genius displayed in his writings, it is impossible not to trace the warpings of preconceived opinious, and feel that we are rather persuaded by the talents and ingenious hypothesis of the uriter, than the cost impartial deductions of philosophical inquiry.

The dependence of glandular disease on the state of the mucous mombranes is still more tangibly opposed to the simple ovidence of observation; and we stink, totally irreconsilable with the varied and numerous facts addreed in the course of this volume. That the alternations of the one may be accusionally depending on and consecutive to show of the other, no one will deny, has no a law of the system, it cannot be asserted to, until supported by more satisfactory proof than this genera of its inventor.

The actionness and unfair spirit characterising the emirisms of M. B———, example for the regioned. He has alternately impossible the accuracy and veracity of M. Leun, while he acknowledges him as " do hume fini," when his conclusions used in the least to emission unto his own. In one page he speaks of the work as deserving to be read, and is the next styles it as destinate of either pathological, therapeatic, or physiological oveir; in short, his remarks bear the stamp of a follow and disappointed theoret, and exhibit the markings of a powerful used in the defence of a system it had miled so encer, but which is shally towering under the releasibes buttery of facts.

While thus depreciating the true of projudiced and illiteral feeling which pervades the strictures of M. B———, we are not enxious about their effects on the volume before us j its merits are quite independent of indeveloal opinion, it will rise in estimation and shed increasing house on its author, in proportion as hypothesis becomes subservices to the evidence of impartial and accounte observation.*

^{*}We periodicity recommend the copty of M. Lovid to the content of the content of the anti-stage extraining extraord, so the read and marrieding recoming to the important and commission performed married activates. To the continued and thereof objects that M. L. was the observance delicate of Lorentze, for replace, in What, (Op. Cit. page 2.) have I detected more passe of my late to decrease in observating nothing more from a mean of stating.

In reply to the transmisse of M. D——— against his peeley, he remeke with all the constituences of innocence and the force of traft, "Let the reader judge, if our who for nearly serves your renounced the practice of medicine is denote himself to the observation of facts, let him say whether this unboulent was guided by the desire to twent! Whether those acrem years of mody sught not fowers to have sheltered him from such suspicion! The reader may regret that he has done so little in so long a period, but assuredly be will not impeasly his integrity, he will not imagine that he has been actualed by other than emotionious moirous!"— Cowan.

THANSLATOR.

Barn, Pen. 1833.

AUTHOR'S PREFACE.

The world will be perhaps surprised at firsh corrasches upon plathisis, after the still recent labors of Bayle and of Lacence. These pathologies have indeed so accountly described the leading symptoms and characteristic teston of this darase, that little appears left for their successors to accomplish, and it would seem useless to re-handle a subject so skillfully treated, were it only capable of being studied under the same point of view; but the plus we have persued in the present work is different.

Very shortly after we had exclusively decored numelies to observation, we accertained that in the progress of plahinis, as in that of other chronic dismost, the greater number of the functions are remarkably distribed; that the organi which discharge them are more or less profoundly altered, and that with regard to both these points the history of the disease was very incomplete, or almost wholly neglected; the hope of supplying this deficiency was the source of our present undertaking. Numerous facts early indicated to us, that the bistory of plathisis could be elucidated by new observations, and this conviction was an additional motive for persevering in those investigations, of which the volume now presented to the reader is the result.

In order to secure the greatest possible utility to our labors, we have observed plathisical patients with the same care we should have employed in collecting the history of those attacked by any disease but little known; we have examined the state of all the functions, and research as far as possible to their respective derangements, previous to our examination of the patient; and after death we have studied all the vincera with equal attention. This method was redices, but simple and certain; it could not but lead to exact results, and this impression has readered light the fatigue it necessarily included.

Fully convisced of the importance of arguing facts, and recollecting the embarrassment and regrets of Morgagni, when, on examining the observations of Wabalva, he found no mention of cermin facts of this description, we have collected them with as much care as the most interesting of our affirmative ones; we have even noted down indistriminately whatever the patients related respecting the alteration of their health at any period of their lives, provided always, that the circumstances of the recital gave evidence of its truth; we left to fature opportunities, and the post mortem examination, the task of pointing out the facts to be retained or suppressed. It is easy to form a just idea of the importance of negative facts, if we reflect that organs, when their structure is extensively modified, frequently give rise to no approximite symptoms, and that, if this absence of symptoms has not been expressly specified, we cannot form a proper estimate of the value of post mortom appearances. Hence also the necessity of examining all the fooctions, whether apparently disturbed in their exercise or not: - unother method may suffice for the verification of what observers have already remarked, but it can conduct us no farther.

To remove all doubts as to the value of our notes, we have

always mentioned the state of the patient's intellectual powers; quite decided, when we had to investigate facts enterior to the period of our own observation, only to sely on those patients, whose faculties, and more especially whose memory prosected a certain degree of development.

We have paid great attention to our mode of questioning invalids, for there are certain questions which almost increasily diente the answers. As, for instance, if we wished to facour whether the patient experienced pair, or any arrany truestion on either side of the clast, we mentioned test the side where we supposed the pair did not exist; if he then indicated the other side as the sent of the outlinings, we regarded the fact as certain, and cuttered it as such. For the determination of old dates, important to be executaized, we frequently recurred to the subject, arking the patient, not, if he had experienced such a symptom from such a time, but how long he had experienced it. It is evident, that to the first question a position, amoyed or weary, might emover indifferently yes or no, while at the second he is compelled to reflect, and by a mere hap-largery reply counted so easily lead into orner.

After death, we have described with all the precision of which we are capable, the southing the form, the solar, the consistence, and the shickness of organs; in a word, every alteration of tissue which they might procent. To effect the, we have never examined the venera, with the exception of the brain, in their natural connexions; for in this streams they are prografly multicently illuminated, and in the case of organs which are membraness; this, and empound is their amount, as the seconds and intestines, their thickness and consistence emisses be proposly appreciated, and is a limit difficult to examine the whole of their extent; at the same time many effections such as small superficial observious, almost

inevitably escape our notice. In these cases, to see clearly, we must not only remove the parts, but free them by repeated washings from the various substances which adhere to them, and, as was almost constantly our practice, immerse them for an hour or two in water.

The history of the softening of the brain, is of itself sufficient to point out the importance of examining the different degrees of consistence of our organs. It is well known that the brain may be inflered and almost liquefied, without any very semi-like change of color, so that were we to limit the examination of this viscus to this single circumstance, our deductions would necessarily be of no importance. The same remark is applicable to mucous membranes, which, although retaining their samed pulsaeses, we constitute find as out as ranges.

It was from applying these principles to ourselver, that we thought it right to relinquish, with respect to certain points, the observations we collected at the clase of 1821 and the commencement of 1825. At that period we frequently neglected to remark the different degrees of consistence of the macros manufactures, nor had we directed our attention to certain pathological states of the atomach, and by using observations thus incompletely detailed, we should certainly have fallen into error, and atmosphere results which were inexact. Lastly, whenever an observation appeared, in any respect, incomplete or destinate of that accuracy which we believe to be necessary, we have set it uside; this explains why our num-totals are not always founded on the same number of facts.

The thickening of times is also one of the circumstances most important to notice, and is sometimes the only appreciable organic lesion; as in certain cases of hypertrophy of the heart and the thickening of the submucous layer of the large intertion, which we shall hereafter describe.

Refuers, considered by itself, offers much less interest, although many among the most enlightened physicians confine their descriptions of membranous organs to the indications of their color. Rohem, is fact, may depend upon various causes, either upon inflammation, or even upon the effects of simple congretion towards the close of life. Of this last assertion we have the groof in certain cases of sudden death occurring to individuals, who, only a few moments before, appeared in perfect health, and yet whose group-intential mucous munbrane was more us less red, but at the same time neither thickened or softened; while in the unjointy of cases, where the symptoms of inflamulation of this membrane have been prominent, there are redness, thickening and saftening. It fallows, therefore, that redness signifies nothing, unless necompanied with some alteration in the comistence and thickness of tissues, and where on such change is discoverable, it is only by the aid of the symptoms, that the cause of the redness can possibly be conjugued. Let us add, for the purpose of better illustrating the importance of the alterations we are referring to, that after death, redress may disreposit, while the thickening and reftering of our tisues are unaffected.*

The observations on which our rescuebus are founded were collected at the hospital of La Charité, communing from the last three months of 1821. Since that period, we have noted down the history of all the parients admitted into the wards of M. Chomel, containing forty-eight beds, equally

^{*}This remark, when extended to addressing it to abuse to. There can be no doubt that it addressing. The column, extend to removed after death, if may tender corone reconstructed by either produced or increased.
Cowax.

distributed between men and women. The same plan has been pursued in the description of every case, and at the exactness necessary for such a task did not appear compatible with the practice of medicine, the latter was, for a time at least, relinquished. We have since regularly passed from three to four and sometimes five hours a day at the bospital, devoting at least two hours to each post moreon examination; and although links has necessarily familiarised us with anatomical researches, we give to them at the present moment, as much time as we did two years ago; fully persuaded, that to observe well, we must not observe hartify; that the only means to receify invitable errors are continually to re-examine, as if presented to us for the first time.

By comparing our latest observations with those formerly collected, we have been embled to convince ourselves of the advantage that results, at least when there is any intention of publishing, from having observed at an age when we can estimate things at their real value; when experience has already named as against every species of illusion and theory, and when the first mental want is that of truck. Study was not less attractive to us formerly than it is at present, but a theory presented with an was not without its allocoments; precision was less studied, and we devoted less time to the determination of facts. These mental tendoncies, so contrary to sound observation, were at once depending on deficient experience and our youth ; very few escape their influence, and, if for no other reason, we ought generally to place less reliance on the labors of young observers, and especially avoid devolving the task of observation exclusively upon them. Independently of the disadvantages of age, it may also be raid with truth, that we cannot observe for others with the same real, the same assiduity, the same percision, that we should employ for ourselves. Does the natural philosopher who wishes to advance me progress of science let another make his experiments? Does the chymist confide the operation of analysis to one just entering upon his expert? And if, in indeed is the case, there is a complete analogy between the physician who observes, the natural philosopher who experiments, and the chymist who analyses, why should they adopt a different method in their impriries? It is not enough to home that individual observations are necessary in medicine, unlitte we are at the same time convinced, that to render them valuable, much seed, much time, and much practice are required. Practice, we espeak for to collect observatives is a trade, and, like all other trades, quest be learned and cannot be divised.

The reader will pardon us, purhaps, for basing issisted to much on the care we have bestowed on the collection of our facts, and upon the distrust with which part of those shilly published ought to be received, if he reflects that the ediffice of medicine reposes entirely upon facts, and thes truth connect he ellicited, has from those which have been well and completely observed. Then, and then only, we shall be enabled to discover, is a series of observations, the data of a problem consisting of many unknown quantities whose value we are to determine; and since in mathematics, this value does not vary with the individuals who sugage in the solution of the problem, we ought also in medicine to arrive at identical results, by the analysis of the same observation; always admitting that where a mind of ordinary power arrives at few general deductions, one of separior capacity, from its power of examining the particular facts under most varied aspects, will discover a greater number; but it is meritable that want observations, studied under the same point of view, must conduct every one

who attentively considers them to identical conclusions. All is not then obscure or uncertain in medicine, when the observations which guide as are exact; but what results can be obtained from the consideration of facts which are doubtful, incomplete, or false?

Boodes, the means we employ to arrive at the solution of the problem are in an degree arbitrary or uncertain; they consist almost wholly in bringing together the symptoms which reveal the disturbance of one and the same function, and, should death occur, in comparing those symptoms with the state of the organ on which the function depended. If the organ be more or less reviously affected, and its lesion either by its clearactor or extent explains the derangement of its function, and if there he no other which will explain it, we are then entitled to regard it as the cause of the symptoms observed; if, on the contrary, the function has been derauged while the organ has not undergone any perceptible alteration, we must then refer the disturbance either to a sympathetic influence, or to some constitutional peculiarity. Anceexia, for example, is one of the symptoms of gastritis, yet since it is frequently observed in phthisical patients when the anseous membrane of the stomach offers no sensible lesion, we are forced to conclude that under these circumstances it is sympathetic, or depending on some general influence, as for instance the febrile movement; and that a function may therefore be demaged for a considerable time, while no alteration of structure in the organ on which it depends can be observed.

Nothing is more simple, but at the same time nothing is more fatiguing than the method we have described; for, what numerous vables, what reparate analysis does it not require? It is almost entirely to this purely mechanical labor, that we have reduced our operations on the facts we have collected; pernumber of exact observations upon a given subject constitutes the greatest value of a work.

Those of which we now offer the result are in number one bouded and twenty-times. Fifty among them have been reattored through the course of the week as witnesses in our favor; and rince we believe that the history of a patient is not really complete unlines in gives at least a moriner idea of the condition of all the functions, we have rescribed them as briefly as possible, with the state of suffering or othermise of the different organs. This has appeared to us the more indispensable, from the fact that nearly all our observations are examples of complications more or less manerous, and because it is necessary to form a correct idea of their mutual influences. Had we confined ourselves to a ringle class of symptoms, we ment also, in the description of organic lenium, have been perhaped to a simple class of origins; but such a method would have deprived our observations of a just of the interest they might otherwise present, and they might also have been considesed as negligently collected. We may add that our researches, being in relation to a considerable number of topics, would frequently have appeared wanting in soliday, had that details of each observation been imited to a single point.

To avoid annecessary latigue to the reader, we have aronged all one cases on the same plan. In the first section we described the state of the familious previous to the entrance of the patient into the hospital, reckoning from the day when he ceased to be in perfect health. In the next division we unntion what remarkable features the symptoms presented at the moment of our seeing the patient for the first time, and afterwards, in as many separate sections, we continue the history of each function until death. Lastly, as regards the anatomical lesions, we note urbatever the exterior of the body, the head, the neck, the chest and the abdomen, present of importance. In this manner confusion is prevented, each object has a separate place, and if at any time we wish to recur to the symptoms which belong to any particular lesion, it is only necessary to read a single section.

Impossible as it is to give all the observations upon which our rescarches are based, we have persued in the exposition of our facts a rather different method from what we should have adopted under any other circumstances. We have divided our work into two parts, and nince anatomy is the strangest support of pathology, we have communeed the analyeis of our facts by a general description of the visceral lesions. Those of the lungs, brouchia, please, mehea, laryax and apiglotta are successively described; then those of the digestive apparatus, &c. &c.; and as it was important not only to describe all the mochid abstrations, but to determine if those which existed elsewhere than in the longs were peculiar to phthias, we have investigated the condition of the organs in cases fatal from various other choose diseases whose histories we have collected; see have compared facts with each other, and from this additional labor has resulted the knowledge of some general principles not perhaps without importance. We have also mentioned the proportion in which each of the morhid changes was observed; so that our work may be considered, in all its purp, a kind of statistics of phthisis.

After the description of almost every organic alteration, we have examined the causes to which shey might have been attributed.

Finally, in a brief summary we have placed before the view

of the reader the general result of all the facts contained in this first part.

The second part is reserved for the history of the symptoms. We have first described those occuping in phthisis when less from all complication, and we have insured particularly upon the diagnosis in the early periods of the disease : we have then detailed the symptoms which accompany identations of the opiglottis, latyex and truches a those which belong to different lesions of the nucous mendeane of the stemach, &c. &c. | the anomalies which plathing presents in an acute or latent form, and the accidents resulting from the perforation of the palmonary pureuchyma in consequence of tabercular softening, forming a communication with the cavity of the pleurs. We have also related several cases of sudden death, and unlessneed by the comparison of faces, to estimate the value of some of the causes to which the development of julmoney subcrcles is attributed. Finally, we have very briefly pointed out the treatment of the cases whose analysis are have given.

Our first intention was not to extend our researches beyond the bounds of a surmour, and, correspondly, to detail a very finited number of individual facts; but by pursuing this plan, many of our propositions would have remained without proof, and we should have failed in the performance of the most essential duty which devolves upon an individual who writes upon any subject whatever. It is by the advice of M. Chomel that we have been induced to extend the plan of our researches; his assistance has been available in many other ways, for the compilation of the present volume, and we feel happy in giving this public testimony of our gratitude.

Finally, and we say it with the conscioumers of deep conviction, though a more skilful hand would perhaps have thrown greater interest over the long series of lesions and symptoms we have described, yet it could not have employed greater accuracy or impuritality.*

* This work was presented in the Royal Academy of Medicine, and the report made in relation to it may be found in the Rowar Medicals,? Suptember, 1825.—Laura.

(The reader will find this report is the Appendix by the American school — H. I. H.

ANATOMICAL.

ASD .

PATHOLOGICAL RESEARCHES

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PHTHISIS.

FIRST PART.



PART I.

PATROLOGICAL ASATOMY.

 Is this first part we shall encounsely describe all the horizon observed in the different apparatures of our organs, and subjoin come consultrations on these causes.

CHAPTER 1

HESPIRATURY ORGANS.

ARTICLE I

LUNCE

2. Basia disided phthinis into as many kinds as there are organic lenions of the lungs capable, according to him, of causing death. He admitted a inforcedous, a granulated, a cancerous, a melanotic, a rabuleous, and an alternati phthinis. M. Lasenner thinks, on the other hand, that there exists has one species, the tuberculous phthinis, that is, but one organic alternation of the lungs which can terminate in death by passing through all the stages of immirism (dependement), and with all the symptoms which belong to plating. Duray more.

than three years,* that we have excefully collected the history of all the patients admitted into the hospital of La Charioù, in the service of M. Charsel, we have not observed a single subject who died of phthinis whose lungs did not present, as the principal lesion, a greater or less number of tuberenlous excavations, tobercles, or of grey, semi-transparent granulations; so that our own observations strengthen these of M. Lammer, and with us as with him, "the existence of tubercles in the lungs is the cause, and constitutes the special character of phthisis."

3. Tubereles are, as we know, tumors of a dull yellowish

* The number of patients admitted into the words during the above-mentioned period was 1960, of which 506 died. Out of those het, 127 were cases of phthinis, and in 40 others who died of serious diseases, tabercles were found in the longs; — that is, in marrly one hid. In one third they constituted the principal boson. Vide Report made to the Rayal Academy of Medicina on this work by Chousel, Royer Collect and Bourbaix. — Rome Medicine, Sept. 1825. — Cowney. — Also, Appendix by American pions. — H. I. B.

I This proposates is thely desired by M. Bronnest, who assests that he has frequently score cases or restourythin from chronic influencement and supporting of the lungs, where no Maior of Indeverse scarced also death. He consistently refers to ten cases denoted as his regress of lectures deriving the senter of 1922. This mode of resoning energy says, that M. Reconsistently more under the term philities than the author; though many of the general apartons of philade may have been, and no dead; were, present in the cases detailed by M. Revuntiti, we do not be distilled in my that these properties would have distinctly distinguished them from those attending true philicis. — Vote Economic des Destrons Medicales, par F. J. V. Bromenia, 3d collies, vol. v. page 236.

The following issuetion of P. Demult, of Empireurs, by an entry me philipse, published in 1722, is remarkable. He says that an above of the image in merely me effect and not a cases, and that inderely constitute the enterior of constrainty, being generally anterior to hereophysis. He also notices the frequent affection of the free: — Cow a.y.

white report, of variable consistence, which soften after a certain time, empty themselves into the herochial index, and give rise to executions some or less considerable.

- 4. Above invariably they more more numerous, larger, more advanced in their development as the country, then of the horse of the large; for in the new burdled case toward-three cases of philips to are going to analyse we have not with only two exceptions to this role (Olio, 331.)
- 4. They were associated with a production of a very deliverent appearance, we mean these small, horsepersons, should bedies, of marked consistence, more or less remoded, and varying in side from a pera to that of a consistenced.) Indicas which have been designated by the rame of "grey, semi-transparent generalistics." (Generalises grees demonstrated parentes.)*

These generalizes form, according to the bounded researches of Lacensec, the first serge of related to, through which the latter cost pass before assuming those elements which are possible to allow. As to the case of subscales, we have found three larger, more assumed at the speak case at the base of the larger, and based to the forem, if on coosing in the obtain of their extent. At a second proved of their development they presented a pellow sprope parameter worm nearer this mentals of the larger, and in examining them stocers from below spreads, the larger ware generally seen at the following under t — 1st, grey, mainterarquires general-

^{*} Artistry Grammanna of Layerse Velo To Francis Translation, page 272. We adopt our reference in this work artists of the impact, as the larger is, perhaps, more graces by its books of the Layeth translation returns a mark increased by the Verback very olds one victionic address. — Con e.s.

tions; 2dly, granulations less clear and yellowish towards the centre, and 3dly, granulations of a yellowish whole in their whole extent; that is, completely tuberculous. These last were in the anjurity of cause the only once observed at the summit of the lange.

6. It was more to find either tabardess or the grey, semi-transparent granulations existing singly in the lungs. The first of these cases we have only met with twice. The second we have observed in five subjects, though even here there were some granulations more or less milky and yellowish in the centre.

These facts appear to us incontratally to establish the treasformation of the grey, semi-transparent granulations into tuberculous matter.

 These granulations, usually scattered, in many cases formed small groups, or even masoes of an irregular figure, and very variable dissensions.

Most frequently they existed at a certain distance from the pleura. At other times (in about one third of the cases) they were as numerous immediately beneath this membrane as in the more central parts of the organ. We have even met with an instance in which the long remaining free from all adhesions, they more more numerous at the surface than any where else (Obs. 17.) Thus mranged, they gave an uneven appearance to the long. Having passed into the tuberculous state and then become softened, they were conserted into abscesses, which formed elevations more or less considerable, externally, occanionally discharging their contents into the cavity of the pleura, and producing the accidents we shall enlarge upon in our shapter on the perforation of the longs.

 The time requisite to enable the granulations to acquire the volume of a small pen (the size most frequently observed). is, no doubt, very subject to variation, and almost always impossible to determine. Yet, some cases of acute phthisis seem to indicate that their development is sometimes very rapid, and that they can acquire the volume mentioned in so short a time as three or four weeks (Obs. 34). On the other hand, a tolerably numerous series of observations inclines us to the opinion that they may remain very small for a long period after their formation. Thus, we have met many individuals, who coughed continually, had been subject to be-moptysis for many years, kee, and yet who presented no other lesion of the pulmentry parenchyma than the grey granulations, of the volume already indicatest, or even much smaller.

9. This grey, semi-transparent matter presented itself also under another form; it was frequently in irregular masses, sometimes of considerable volume, from about one to two or three cubic inches (Ohn. 29). As in those cases where it assumed the rounded form, it was aliming, homogeneous and without distinguishable atracture. In many subjects, in the middle of these masses, a variable number of militry points of a dull, yellowish white, is every respect tuberculous, could be observed. In others, the transformation was almost complete, and some small portions of grey substance in the midst of a trans of tuberculous matter were alone discoverable.

Thus, whether the grey natter assumed the form of granulatious or of irregular masses, more or less considerable, it became sooner or later transformed into subtrele.

10. We have not, though eartly, the grey matter in other organs; and in them, as in the hugs, it has appeared susceptible of tubercular transformation. We will mention in support of this, the case of the seventh observation, where we would deposited in the great epipleon and mesocolon, in the midst of a large quantity of suberculous matter, masses more or less.

voluminous, of grey, semi-transparent substance. In it not probable that this last would eventually have undergone the tuberculous transformation?*

- Larrance has observed that we do not find vessels, or at least very rarely, in the masses of grey matter. We have frequently vesiled the truth of this remark by the aid of injections (Ohs. 29).
- 12. Assuad talerculous excurations, which were rather large, there was found almost constantly a certain quantity of this more grey transer. It also frequently included on all sides some armi-opaques (louches) and yellowish granulations, forming them into a compact must more or less considerable. In this way we have seen it in three subjects affect a very singular arrangement, and persont itself under the form of nones. These were three in number, parallel, situated horizontally, occupying the whole thickness of the lungs, they were cost inch in beight, and separated from each other by a layer of palmonary timost of similar dimensions (Obs., 46.)

As in the case of granulations, the grey matter is form of moses, was frequently found near the surface of the lungs, or immediately order the please (Ohs. 29, 35).

13. In those instances where the progress of phthisis was

[&]quot;The identity of the grey, reministrativest granulations with tabercle has been a warre of seach discussion. Eagle thought these randogisess,—Andrealy Clin. Afed. vol. is, page 5.), industried pulsamony vesicles, — Chemist file. Afed. vol. x. Article : Granulation*; says, they are not tubercles, but withholds his reasons. Benilised seems to agree with Andreal. Lembered entersions a very similar equition, bit. We only mention them bypotheses to sitteet the reader's iffention to the cridence address dy our norther; it is, we think, conclusive, and coupled with other facts distributed throughout this volume, demonstrate some according minion between these two alternations as aroughly so it is in the power of facts to witness in fever at two things which are not also lately identical. — Cowar.

rapid, it might be suspected that the tuberculous matter had not been the result of the transformation of the grey matter, but that it was developed primitively under the form of tabercle, the measury time for this transformation appearing to have been tracting. Such would be considered the case of a young girl, who forms the subject of the thirty-fifth observation, where we found a large mass of interculous matter, softened, and in part excurated, on the thirty-lifth day of the disease. It is but right, however, so remark that in the case before us there were in the same long both subgreadous and gray. matter; and in army other cases, where the progress of the affection was very rapid, (Ohs. 36), we found in the centre of one of the upper laber a certain quantity of grey matter, almost entirely transformed into softened subercle; and although it might have developed itself consecutively to the tuberculous matter, a contrary supposition is not less probable; so that doubts as to the real course of the affection in these different instances must recentarily be entertained. It is, however, on the whole, more penbable that suborcle is suntained developed primitively, as such, in the hurgs; for, with only two exceptions, it has always appeared to us to affect this usode of production in the other organs.

14. We have also found in the longs of phthisical patients, and in them exclusively, a substance less firm, more transported than the one we have just described, of a dirty red color, or sometimes nearly colorless, presenting more or less the appearance of jelly (Obs. 2). This inflatance, which Lawrence has described, has never presented tuberculous particles. Is its nature identical with the grey, semi-transported matter?*

Transf. page 277. M. Louis's observations are not confirmative of Laura-

- 15. Almost invariably, referreless existed more or list interceutly in both large. We have, however, seen this lesion limited five times to the left lung, and twice only to the right. Can we, from this fact, consider the right lung as rather less perdisposed to the development of tubercles than the left?
- 16. We have remarked that tubercles avinced a kind of preference for the summit of the large; that here they some larger, more advanced, and comparatively more numerous. This observation is still more applicable to the upper lobe, centrasted with the lower, than to the lungs in general. For, besides the large excavations, which are almost exclusively found in the top of the upper lobe, grey granulations, takereles, small eavities, &c., are still more sumorous and approximated in this point thus either in the rest of its extent, or in the corresponding portion of the inferior lobe. We have also frequently found the whole of the upper lobe degenerated into cavities, and into the grey or toberculose matter, and throughout wholly impermeable to air, whilst at the same level in the inferior lobe we always mot with a portion, at least, of the palmonary pareneltyma, capable of continuing respiration, and very varely with unberculous excavations. One of our observations of acute phthinis is an example of the morbid disposition we are now describing (Obs. 36). In thirty-eight cases (about one third of the whole), where we have encountered it in nearly a similar state, it existed twentyeight times in the left side, and only ten times in the right, An additional fact, seeming to point out that the left long in more freezable than the right for the development of taber-

see's, who says he has frequently seen small yellow interculous points in this substance, which he regards as a noise variety of interculous notice.— Cowar-

tiles, agreeing with what we have mentioned in the preceding paragraph. The history of the performing of the sobstance of the long (424) in no law in communes with the conclusion, for our of eight cases of this being (the only man we have collected) seven have been observed as haltening to the left side.*

However, there are some cases (and the anti-indebted for the remark to M. Chames) where a part of the grey natter of the upper hile appears to have been the product of chronic inflammation. It had not, it is true, that granulated espect, which, according to Lammes, from the monomical character of the accord or third degree of parameter, but a parameter a general, milky, semi-epopee appearance, not resulting from military granulations, for they were absent; is one wavened by white strue collidar intersections, as distinct as these we are in presentation is was more compare than the continuity gray matter (and these parameterisms, when well marked, appeared to us sufficient to distinguish these two alternation from each other. And, with respect to the most of the granulated appearance of which we have spoken, there is nothing about in the idea that it may be the effect of time, † which so power-

[&]quot;This opening is resolvery to this of Louisian, but it is more with that at Dr. Stack (Valo Medical Formanismism, page 28), and also of 10c. Carleichard Smith, as by declares for opening from a comparison of the excess in the works of formats, Morgonia, and admin (Valo Forbies's Franci page 282, note by Dr. Porbor'). The fact is not without interest, state if forms a magnificant agreem to the inflammatory return of colorida, so the region will see, in the spring = 00, the full survey of Formation on Philosophical Cont. In

I This is the opinion of the program M. Smittel. M. Andred Hierke Showshies that personnels have no enal in the controls of countried the large, and from this we should retain a very weight explanation of the generalised expect of the burgs to that excess. This juganism who seems to us to be some three a

fully modifies and changes the characters of all pathological alterations.

- 17. We have only once met with encysted subestles.* They were situated at the summit of the longs, and easily separable from the surrounding tissues (Obs. 31.)
- 18. The soluting of tubercles took place at very different periods: in some cases from the twentieth to the fortieth day, counting from the commencement of the disease (Obs. 33); in general, at a much later period. It presented the same features as the transformation of the grey into tuberculous matter, beginning in the centre of the tumor, and proceeding from the summit to the base of the lange; and by examining

more hypothesis. For when we fill the hearden with injection, and the injectiof matter has been forced in solily, we find in the brugs on infinite number of small pursues, which, on being divided, present exactly the granulated approximate of which we are speaking, but if the injection has been made with more violence, the lungs then present merely a compact mass, in which the granulated aspect has abund entirely disappeared. Does not this two-field experiment norm to demonstrate at the same time the granulated aspect of the lungs in scale presumate, and in disappearance when the dismuss is in a chronic state! — Lucys.

"Lemmer considers them very rare; Buylle has described them, page 21. The remark is, however, principally interesting as an argument for the organization of tubercles. All secretime not organization must be expelled as empitial; therefore, every secretion which does not lend to encyal study, and which can exist a long time without producing irritation, shares in the common life. Is not this very often the case with tubercles; When tubercules metter is repolly deposited, it than acts as a foreign body, and the necession of general symptoms immediately follows, as we see as a real-plathons. Organized morbid productions, after a time, recreate non-arrandable products, which become the cause of their description. The optiming of current is nothing town that this; that of tubercles is summinum analogous. We refer our emister to an ingeneral paper on this subject by Transacrous and Leblanc. — Archives Ginzicules de Moderne, 1828. — Cowa se.

them in this sirection, we recreatively found, at various heights, excavations, softened tubercles, ende tubercles, and the grey, semi-transparent symulations.

Instead of taking place in a gradual number, the softening sometimes occurred simultaneously over a considerable extent of surface, and the whole of one labs degenerated into tuber-culous matter, was nearly equally soft, and easily leaken down throughout the whole of its cuttent. These were rare cases, and confined exclusively to acute phthosis (Obs. 26). There was even here an incomplete cavity at the top of the upper lobe, of which the remainder was suberculous and almost equally softened.

19. We have not found tuberestom excavations entirely empty before the end of the third, or the commencement of the fourth month, counting from the invasion of the disease. At this period, the panetes of the esvities were generally soft, and fined by a false membrane of little comistence and easily separated. The polynomery tissue itself was very rardy expored. When the disease had a more distant origin, and the eatities were more ascient, (which could be substantiated by the exact history of the symptoms, and the comparative results of assentation), their sides were almost constantly more or less resisting, formed of taberestous matter, of the grey, somitransporent substance, and sometimes of melinosis. These different alterations, either separated by a small quantity of healthy pulmenary tissue, or continuous with each other, were variously combined. The membrane which fixed the excavation was dense, greyish, almost semi-transparent, semicartilarinous, from one third to one fourth of a line in thickness, sometimes less, and generally covered by mother membrane of very slight consistence, of a yellowish or whitish color, and usually distributed in patelies. In our fourth part of the cases we have found no membrane at all, and when this was the fact, the pulmonary tissue, more or less considerably modified, was uncovered.

- 20. Large or small, old or recent, the excavations communiented with the brenchis by a greater or less number of openings. The mucous membrane of the latter, and the false membrane of the former, were closely connected at the retrance of the excusation; and when the punctes of the brenchis were red, their familes could only be determined by means of direction.
- 21. Old excruations still further differed from those which were recent in their boing uneven, rugged, and generally communicating with smaller cavities. They were frequently crossed in different directions by cool-like intersections. These were variable in length, oneven, narrow, from one to two lines in thickness, formed by the grey, semi-transparent matter, interspersed with subsercles, and thinner in their middle portion than at their extremities: it was very rarely that vascular ramifications could be detected in them. We have, however, seen them in five cases, either with or without the aid of injection (Obs. 31).
- 92. The presence of varcular ramifications in the center of these cord-like prolongations proves the destruction of a certain portion of summarding tions; and this fact is sufficient to point out, that is all cases of large excavations, some destruction of the polantomy parenchyma must previously take place. The repture of brenchial vessels in the neighborhood of these excavations, their obliteration in the purietes, their direction, which often indicated their passage across the space they occupied, may be mentioned as additional proofs.

It may happen, also, as Larensec has said, that grandinions are developed in the interstices of the palmonary parenchyma; but when they are sufficiently contiguous to excite amond them the development of the grey, same-transported matter which units them, a destruction of the parenchyma is here equally a pressure consequence. The tissues comprised between the granulations have disappeared; so that excurations of very moderate dimensions suppose, as in the case of the larger, the destruction of some person of the substance of the larger.

23. The great inherentous excavations of the upper lobe were nearer the posterior than the anterior edge of the burg." and in many instances we have found their order in the former. direction, almost wholly formed by a false, sum-cartileginous membrans, from a line to a line and a half in thickness, enveloping the summit of the organ. Inferiorly, they were sometimes only organized from the pleum which covers the interfolular finure by a thin layer of palmonery times, more or less modified (Ohn 98), or there was a perforation of their parietes in this point, and communication established between another excavation, situated in the softmor lobe and postenoely ; for it is worthy of remark, that in no one instance have no met extensive excavations in the centre of the lower labs. The following observation is a very remarkable example, both of the facts we have last described, and an illustration of the great size taberculous excurations may attain.

^{*} This opinion conceives with Dr. State, //Multipel Communications, page 2007, and with Dr. Young, page 32, — Con ay.

FIRST OBSERVATION.

A name, art. 20, of rather delicate constitution, but generally free from sickness, was admitted into the hospital of La Charité, August 24th, 1824. She had not crused growing, and had been confined without accident more than eight months perviously. With the exception of some pains in the epiguitric region, which were complained of during her pregnancy, she enjoyed good health during the first two months following her confinement, after which period she experienced all the symptons of phthinis. The cough and expectoration had commented together, and had been more orgent the last two months. To this increase of the two principal symptoms was added comiderable opposition, with pains between the shoulders and at the middle of the stemum. There had been only very slight hemoptysis. The voice had been weak the last fifteen days, and had finally become extinct; appetite, variable from the commencement; frequent names, and a more or less painful state of abdomen; for the last twenty-four hours the patient had vomited without apparent cause. The diarthese had been constant for the last four mouths; beat, much augmented; copious sweats during the night, and gradual loss of flesh. Rigors had been present from the first, and had continued almost every day since.

On the 25th of April the face was pale and had an expression of fatigue; slight headache; sleep, continues interrupted, as during the last three months; intelligence, unaffected. Cough, moderately frequent; sputs, of a greenish color, imperfectly numerated (pelotomés), in small quantity and of a nauseous odor, as was also the patient's breath; voice, feeble, and slightly changed in character; percussion, clear under both elayicles; sense of heat, pectorilogay and metallic tinking during the cough on impiration and expiration, hand under the right claviels. Tongue, natural; accomplete and rexis, with sense of neight in opigantic region immediately after eating; habitral pain in the same region; bypogastium, sennible to pressure; the previous evening, three stools with colic pains. Polos, small and weak, extremely rapid; heat eligibily elevated; night perspirations. Great weakness and extreme normalism. The patient had come to the hospital under a feeding of despair, and expressed much anxiety to be cured. Decubiting on the left side.

On the 17th, the complained of a rather acute pain in right side of chest, and on the 18th, at three, e. m., expired, almost without a struggle, rotating for consciousness to the list.

Opening of the corpus forty knows ofter death.

Extrason. — Extreme ameritan. Nothing the senselvable.

Heap, — Two small spoorfuls of serosity is upper person of the aracheoid; yis mater, slightly red colored; brain, healthy; half a spoonful of clear fluid in each lateral sentricle.

Neck. - Epiglottis, larynx and traclica, natural.

Thouax. — The right long adhered pretty strengly by its summit and posteriotly over the greater part of its extent to the pleura costalls, by means of a strong and moderately thick false membrane. Its external surface instead of being convex, as in the natural state, presented a large and deep hallow formed by its excavation, which we judged to occupy three fourths or four tillies of the total volume of the large. It

reached from the summit to within three quarters of an inch of the base of the organ, and from the posterior part to within half an inch, or nearly so, of the anterior. It contained a moderateby thick, turbid substance, of grey ab and brownish color, with as odor analogous to that of animal matter after having been some time materated. Its pariette were extremely uneven [presenting in many places fragments of pulmerary tristo greatly charged, and on the point of being demoked; no frien membranes were observed; the external boundary was from one to three lines in thickness, and sometimes much less. At the past corresponding to the intertobular fissure, the easity was divided unequally by means of a septem, pieceed with puergrous large openings, and formed, as the rest of the circumference, by a grey and sometimes bluish and semi-transparest matter studiled with tobercles. The right bronelial tube opened into this recomment envity, about half an inch after its entrance into the lung, and was much more diluted than that of the opposite side. The remainder of the lung committed numerous grey and toherculous gramulations, leaving seasonly a seath of its volence capable of respiration. The upper part of the left lung adboved slightly to the costal plener, and presented a small cavity capable of containing a realunt, surrounded with grey, semi-transparent matter, but with a still larger propersion of inhercies. A great number of grey, semi-transparent granulations existed in the lower part of this lobe, conprogated in small masses, many being very reperficial, and giving a modulated appearance to the lung externally. Very few were found in the lower lobe. Heart, sound; areta, red in the whole of its course, and this redness extended, while diminishing in intensity, into the carotid and femoral arteries. No semible alteration in the thickness and compitence of the anterial coats.

Announce. - Liver, voluminam, of a Add yellow color, southpring part of the storoich (soutential) free, and somewhat fatty. The hee was thick and temporer. The stemach presented a blanch tiet externally in the part curresponding to the great cal-de-use. Velum, summit. Although detighed with the greatest possible uses from the spicer and adjected organs, there was a profunctional monly arriach in the amotor, to the left of and protectedly as the exercise refeer, with extremely thin and fireslored edges, formed of the presonant and a truy thin layer of submacrate times. Laternally the prinright part of the great cul-de-up and of the americe parieties was of a pule blank color, with the seem strongly defined. The meccan months of the same purion was reduced to the communes of manu, and are thicker than common blosting paper. It was similarly affected, in bount of from those to four lines wide throughout the remainder of its extent, and in that intermediate spaces was of a toleraldy bright and color and moderate consistency. Macon annihron of the small intortines, perfectly sound, with the exception of ten very small ofceration to the origidatologal of the excurs. Between the smoon and the valenceme timper, were some mult whitch industriese, rather larger than willins sends, but not of aveidanty salarredone character. In the large intestion the married membrane was pulse, from from alcoration, eligibily chickennel and soft as manue. The summeric glastic some months updoen, rather rother than manual; oursus, expensely untill, year more than filtern lines in its transverse themeter. No other appreciable alteration of the various organs.

24. The clearers of perension below the right shride, combined with the perturbapy and the metallic sudding in the same sector, proved to demonstration the existence of a

vast excavation containing both air and liquid (285). We were, however, fir from thinking it so considerable. No doubt, if the weakness of the patient had not prevented the examination of the respiratory phenomena potteriorly, we should have acquired new data for the more exact appreciation of the size of the excavation; but even then it is more than probable that we should not have entirely avoided curer, and that we should have ascribed to a large number of ravities communicating with each other, the effects which here depended on one alone. The imperfect septem existing in the upper part of the excavation was formed by the adhesion of the corresponding portion of the upper, middle and lower laber reduced at this point to a very incomiderable thickness. The oder of the contained fluid, identical with that of the expostoration, and the half putrefied portions of lung still attached to the sides of the cavity are not less remarkable than its unusual dimensions. This may also be said of the diluted and short bronchial tube which opened into it; and we can easily conceive how, in similar circumstances, portions of the lung itself may be expectorated. In fact, from some particulars mentioned by the patient's mother, it would appear that some fragments of the pulmocary tissue had been noticed in the expectoration a few days previous to her milmioson into the hospital. But patients and their attendants, observe with too much prejudice to allow their simple testimony to have much weight in the determination of a fact of this description.

Let us also remark, that notwithstanding the great extent of the desorder, there had only been a very slight homoptysis; that the progress of the affection was supid; and finally, that this observation is an instance of the disproportion so frequently existing in phthicical patients in the relative state of the two lungs.

- 25. In fact, although in the great majority of cases toberenloss excavations are found in both longs, this or not constant.

 In the sixth part of our observations they only existed to one
 side or the other, and when found in both there was generally
 some difference in their extent. In rather loss than one tenth
 they were equally large on both sides, and in another tenth
 their dimensions, whether moderate or small, were equally
 distributed.
- Whose expacity equals the volume of a good's egg, a man's elosed hard, or it even still larger. They excited either in the right or left long in the proportion of about one half of the cases, and were equally frequent on either tide. The excavations of "moderate size" may be represented by a middle sized apple, or were enther unaller; the "made and" by a hazel not; both were nearly equally distributed through the remainder of the cases.
- 47. The contents of the excurations were subject to varietion from many cases, among the principal ne may meroion their eleptricity,—the structure of the cavities, and perhaps the state of the circulation alonely preceding death. If they were of recent origin, their contents were thick, yellowith, semilar to common past. If all larger duration and their parietes were broken up and deprived of false numbrane, the fleid was of a greyish grounds tint, having a dirty and disappreciate appearance, thin, of moderate consistence, and sometimen tinged with blood, or even of a deep red color. This inst coloration certainly took place but a few hours before death, for we frequently found it at the post moreon examination, while it was extremely rare to see similarly colored expectration either during the last one or two days of the patient's life.

Though in general the commiss of the excavations were without any particular most, it sometimes closely assentiated that of aritual substances after they have been some time materated. This was independent of the extent of the cartifer, for the oder was sensetimes absent in those which occupied a fourth or fifth part of the volume of one of the lungs. Neither was it easing to contact with the nir, or at least this was not the only easier, for though the excavations were constantly partially filled, the oder was only observed in three cases. In one, the preceding, it seemed to result from the gargierie of some fragments of grey matter incompletely separated from the sides of the cavity. In two others, this particular disposition did not exist, the excavations were more or less regged in their structure, without any other peculiarity.

28. Instead of air or pas, in one instance we found an organized filtrous body, filling a moderately sized tuberculous excavation. This fact appears to us of sufficient interest to merit notice at the persont moment.

SECOND OBSERVATION.

A structures organ player, at. 29, of a moderately strong constinution, middle nature and impetation disposition, was admined into the hospital of La Charisi, April 24th, 1824. He had been ill a year and eight months; had ceased his total occupation for twolve months, keeping his bed occusionally during the last three weeks. He attributed his complaint to having taken a glass of cold trater when over-heated. It had commenced by a dry cough and dyspanen; no expectoration before the second momb of its duration, and until the last

eight days he had never had lamsptysis. At this period he was audienly attacked seabout any previous fit of enighing, and when he was walking quirily, with so exposes a beautifying that he is considered be remoted transplant owners of blood in less than twenty mission; after which the spars only proviously a variably intento red color. Figure, increased heat and perspectation the last new mouths. Very slight demostion of the appetite, though ventiling produced by rough was frequent. Distribute at long intervals, lasting a few days such times. Long of flesh from the communication.

On the 25th August, marked association; skin, of a light yellow color, especially that of free; some approxim; cough, not very frequent; expectoration, opaque, riaged with bland, or of a mahogany color. The patient thicks he can led the sputa detach themselves from the left ride of class, and at every shock caused by the cough he experiences a slight painat the lower part of the same side; he has complained of this from the commencement. Percusion perfectly flat for about two inches under the night classide; equally won the left side, over the whole of the part corresponding to the upper labe. In the name regions well marked personloguy; trached respiration: and on the left side considerable guigling tile. Ausculmtion between the absolders gave the same smalt. Police maker quek, small and weak; temperature, rather loss than against; some appetite; thirst, not increased; digenter, only calciumen, richling and not printed, one total daily, and of good. consistence.

(Pertonil infusion; gum proton; quarter of house allow aure; so trine.)

Sept. 1st. Appears, increased a point in the left side more severe and more constant than small. In the aversing they had deminished in intensity; but he was attacked with rather acute pains in hypogastrium and threat; oppossion as before; no sensible change in the expectoration. The patient referred all his sufferings to the left side of class. No alteration of voice, and no painful sensation felt in transea.

On the 11th, the respiration became more embarrassed, and during the night he was obliged to actain the string posture, and afterwards to leave his had for the purpose of relieving the dyspaces. On the morning of the 12th, he experienced behind the left claricle a very extraordinary separation, which he compared to that of a hole (un trou) being there. The dyspaces was extreme, very little appetite, stools regular and of good consistence. He complained of acute pains in the abdoment, remained stated on a chair, the body inclined forwards and suffering great anxiety.

These symptoms continued; the breathing became very huried; appearance of spata ambered; occasional variation in intensity of the abdominal pairs; and he expired in the night of the 16th, without baving monifested any delirions. He got up unanisted on the moning of the 16th to relieve the dyspares. During the day and the previous evening we could not detect pertonloops under the left classicle; the patient said that he had heard a frightful ratifling sound in the same point twenty-four hours earlier.

Opening of the corpse thirty-two hours ofter death.

Extenses. — Extreme constition. Nothing the remarkable.

Hean. — A shin layer of infiltration beneath the upper portion of the aracheoid; a specuful of clear serms fluid in each lateral vertricle; a similar quantity is the base of the skull. The septum locidum was softened and pulpy, as it were, at its inferior part: the remainder of cerebral mass healthy. NECK. — No alteration of epiglottis or laryer. Mocoda membrane of trathea of a pale, delicate red, interspersed inferiorly wish spetty numerous ulcerations, the larger of which were absented on its fleshy portion.

THOMAN. - The left inner was intimately adherent to the count please at its spex, and in the rest of its extent, by trease of cellular filaments, in the intervals of which there was slight scrous infiltration. The upper lobe was industed, converted eith a grey, sensi-grampower marrie, in the course of which existed mather solecases of perfordy uniform structure, of yellowsh color, and sunday at first eight to jelly, but much from and not easily yielding to pressure. Here and there were seen some softened subordes, mure ur less excurated, and in the upper part of the same liber there was an excesstion rapable of containing a middle-sized apple, filled by a mass of thrine which was red, tirus, oswiloped in a white, easily torn, false esembrane, slightly adhering to the one tining the cavity, and giving off numerous supta reutifug in a central point. Round the excavation and in the middle of the grey substance were vessels of about half a line (on millimitre);* or rather less in diameter. We raced those very easily by means of a fine wire, but without detecting any communication with the excuvations just described. A telerally large, cord-like prolougation, theatest between this cavity and a much smaller one attented postenosity to it, contained a small vascular remotestion, which also did not seem to open iron the cavity. A large quantity of grey matter, tubeseles and generations

^{*} The energy of Person Increments is the paster or 20.37000 English lackure) the minimizer is not 6000 makes. This Person hash to district into 12 laces, and there are 4400 factor in the minimizer in repealed as allow the 1.2000, of an each — Compt.

existed in the lower tobe, half of which was still penetrable by air. Cellular adhesions over the whole surface of the right lung: at its summit there were numerous grey granulations, and a moderately sized excavation, at the base of which were some isolated portions of hepatized tissue. Heart and acuta, perfectly sound.

Amounts. — Liver, of a dell red color, more strongly marked than natural, of most dimensions. Bide in the gall-bladder of moderate comistence. Muccos membrane of stomach covered with a viscid arrane, and of rather a bright red color throughout in whole extent; of natural thickness and consistence; its villous appearance distinct. Duodenum, natural. Mucous membrane of small intentiare, as if speinkfed with minute particles of fat, in other respects healthy. That of the large intentine was a little softened and somewhat injected throughout. Four small ulcerations in exeum and ascending color, of a groyish color, cannot by the slightly thickened collular times which formed their bottom. The faces presented a duil, dirty yellow appearance in the encum, but were elsewhere of a clear yellow color and good consistence. The other viscous of abdomen, healthy.

29. Were we merely to fix our attention upon the apparent organization of the fibrous clot occupying the large excavation of the left larg, we ought, perhaps, to date its origin from the period in which the patient experienced a copious homoptysis. But if we recollect the signs furnished by associltation, and the symptoms observed near the termination of the affection, this will appear very doubtful. For the first time that we saw the patient, eight days after the occurrence of the haenoptysis, pectonloguy could be distinctly heard under the classicle, that is, immediately in the point corresponding to the easity, filled by the farous coagulers, and this we leard for many days in succession. We attempted in vain to discover it twenty-fine to farty-eight beam provious to death. By the supposition that the fiberor elet was found during the last slays of existence, all would be easily explained. In this case, portonlisquy ought to have existed under the left classele at the timeof admission, and cought to have ceased at a much later period. But the contrary dea feares every thing unaphilinel, and forces the admission that pecunilisquy may or may not be present in a completely filled excussion. If we join to these considerations the sudden apparature of other local symptoms, the dysprace, the extraordinary sensation complained of behind the left clavicle four days before death, we must admit, netwithstanding the difficulty of giving any explanation of these subsequent positions, that it is infinitely probable that the formation of the filtrous cougalizes took place during the hast period of the patient's life. With regard to the dysposes, it may be remarked that the state of the mucous membrane of the stomach and color, which we may consider as produced by arute inflammation, had no skude a genuter or less inflaence in its production (98, 341).

30. We have very recently met with a fact of mother description, and much more remarkable. It is connected with the particular subject at present before us, and we shall now relate it.

THIRD OBSERVATION.

A semistration, ut. 27, of eather delicate constitution, was confined relatest needent, and at the natural period, fifteen days before entering the hospital of La Chariti, March 9th, 1825. She had coughed and expecterated the last seven months and a half without any apparent cause and was subject occasionally to pains in the side. Rigors, followed by heat and sweatings, had been complained of during the last periods of programey, but had caused after puttantion. Complete accrexia; thirst rather argent the last month; and for the last three months there had been almost constant distribute. She had not had hamopaysis, and could not recollect when she first began to less ber flesh.

On the 9th of March we observed loss of color over the whole body, extending to lips; considerable feeling of lunitude; movements of body, painful, rarely made and of limited extent; lies with head mised; considerable oppossion; cough, not frequent; expectoration amount and semi-opaque. Percussion of class clear every where; a gargling sound heard under right axilla and posteriorly between the shoulder. and vertebral column of the sums side. Inferiorly and to the left in the corresponding part was a slight crepitous rale. In other parts, respiratory manner, natural. Pulse, small, weak, accelerated (one hundred and ten is a minute); heat of surface, moderate: tongue, pale and clean; mouth, clammy, complete aucorxia, no zamea. Epigastrium, and especially the hypogastrium, painful; pain, much increased by pressure. The patient had lost very little blood after her delivery. On the fourth day the discharge had become whitish, and had continued to since; it was not abundant.

(Sweetened infusion of violes; gum potion; flaxaced tenenemata; emolliers forcemations upon hypogastrium; a halfjulep; yelk of egg mixed with water.)

Until the 5th of April, the day of her death, the thirst was moderate, more complained of at night than during the day;

expectoration, scarty, and only opaque and numeralisted (peletounes) in the last twenty-four hours. In the night of the 25th of March, in some pain was felt in the left side of chest, readily yielding to the application of a few leaches. From that moment there was considerable cough and opposesion. Up to this period precusion and association, though frequently repeated, marrily entirmed the remits of the first examination. The pulse was constantly small and weak, varying from a bundred and count to a tembred and fifteen. The patient was atmelted with a violent rigor in the night of the 25th of March; and from this time a seasoble increase of general temperature took place. We never remarked any perspendious.

The thirst was not sugest; appetite, quite gose. After the 13th of March there were names and vomining of green, historsubstances, or almost meteless and whitish, either during the cough or in its intervals. This vomiting occasionally coused for a day or two, but it sometimes occurred several three in the twenty-four hours. The pains hit in shakuren manifold in intensity. No starrhora until the last week; it was then copeiderable, but unaccompanied with color. The urine because more or less burning, and from the 28th of Much to the 2d of April, a complete resention took place, requiring the frequent introduction of the eatheter. The discharge from vagina became red for a short time at two different periods.

The prostration diminished four days after the entrance of patient into the hospital, and the countemance liveance more animated.

On the 12th of March we observed slight adema of lowerextremities, which rapidly increased.

On the 25th, she complained of paint in the thight, which were very soute in the inner and apper part of left, two days before death, and the skin of the part had a slight red tiege. Constant deleges and general azitation during the last night-Death took place at four, a. w.

In addition to the first prescription, an infusion of the triticam repens with the syrup of the five roots and aromatic funigation under the hed clothes with juniour benies were had recourse to. For the distribute, the white detection with quince syrup, some discordism and a grain of opium, with a narcotic enema afterwards, were prescribed. The only nourishment takes was the yolk of ergs with water,

Opening of the corpse twenty-eight hours after death.

Extrasea. - Inferior extremities much infiltrated; some phlyctense at the inner and upper part of thighs, where the skin was of rather a bright red color. The crural veins, and especially those of the left side, were discended with firm, fibrous congsts of variably imease red color, either hematite or miliograpy color, and adhering firmly to the Ining membrane, which was of a delicate rose color and rather thicker than that of another individual of the same age, with which we compared it. The coagula extended into the collateral and iline veins as far as the year cava superior,

HEAD, - Tolerably abundant infiltration beneath the urachneid covering the convexity of the hemispheres. Not quite a spoonful of clear serous fluid in each Interal ventricle; a spoonful and a half of the same fluid in the inferior occipital fosses. The whole of the encephalic mass rather soft.

Neck. - One of the lymphatic glands on the left side had acquired the size of an almost in its busk, was firm in texture, of reddish color, and spotted with numerous small, yellow coaque bodies, evidently toberculous. No charge was observed in the epiglottis, larynx, or tracken.

CHEST. - About two speeces of clear recous and slightly red fluid were found in the cavity of left pleurs. The corresponding lung was much distinished in volume, and invested, as was the costal pleasa, by a sed false membrane, moderately consistent, and rather less than full a line in thekpess. The salutance of the long was greetish, but healthy and free from zir; bronchis, of a bright and solto, without musible thickening. The right long presented some thirdy scattered celluhas adhesions, and in its numeric an excuration of middle dimensions, partly filled by a middly and grounds fluid, which surrounded a slightly greyish roburd man, streaked with black lines similar to those we observe in the pulmonery. tions; its form was oblong, a little fluttened, sixtum lines long and ten wide; it weighed very little, was soft and rather elastic, and of a pale rose color intentally; it was, in fact, exactly similar to a fragment of the lung itself after it has been immerced some time in water. There was no lead odor, or any pedimentated prolongation at its surface. The excuration was fixed by a false membrane of moderate consumerce, a quarter of a line in thickness, and I ying upon healthy pulmonary tione. It presented, in equality points, two projections, of about a line in beight, formed by the extremities of two broachial ranifications. The reminder of the long was slightly engaged, free from talarties or grey granulation, or any other trace of organic disease. The luminia were pale and thin.

The beart was scarcely two-thirds of its usual size; norts, bealthy.

Assosses. — About a quant of clear lemon colored fluid in the peritornal easity. The stormach, of nearly twice its cedimary volume, partly filled the left hypochemidium, reaching to the mubilions. Its amount membrane was of a yellowish brown color in the whole of its extent, with the exception of a come in the vicinity of the pelons of about an inch in width; its consistence was moderate, and it was about half its total thickness. It was still thinney in the points corresponding to numerous whitish, mounted spots, from one to two fines wide, almost uniformly distributed over its whole surface. Mucous membrane of small intestine, healthy; that of encurs and colon a little softened. In the remaining portions of the large intestine it was as soft as mucos, and it was red in the rection only. No alcerations. Mesenteric and mesocolic glands, healthy. The uterus was twice as large as usual; its cavity much increased, of blackish color; its substance more or less red, and as if spongy to the touch and emily broken down; its parietos were not sensibly thickened, except antoniorly, where they projected about a fine on the inner surface. The evaries were rather soft and larger than natural. The remainder of abdomisal viscera, sound.

31. The presence of a fragment of pulmonary tissue in the midst of an excavation is certainly a very extraordinary fact, and which, pulmpt, up to the present moment, has not been observed.* There could be no doubt as to the real nature of what we have just described; for the color, the consistence, the structure, the mode of training, — in short, every thing corresponded with what characterizes the tissue of the long itself. The absence of gaugemous odar proved that its complete separation was nather recent, and we may very well suppose that it

^{*} If we may trust this descriptions of Tulpins in his Obsessations Modicar, 1881; of America, in his chapter = On Absences of the Longs; of failure, and of Souther in his Medicina Indones, 1831, the experimental portions of the long and breachin in not very monomon. Vide Young on Communities, pages 184, 189, 187. — Com.s.s.

adhered for some time to the remainder of the organ by the two broachial projections already described. Indeed, those two points were the only ones where no false membrane existed, while every where else the latter was continuous with itself; indicating, no doubt, thus the superation of the fragment had been effected some time, with the exception of the two projecting broachia.

This excavation was remarkable also, on tecount of the false membrane which fixed it being every where in constet with healthy or only slightly engarged pulmentary tissue, which is very eartly the case.

32. But may it not be asked, with some apparent probability, whether this excavation really was the affect of subsceles, and if the patient had phthinis; for no tubercles or grey grasulations existed in the large; there were no ulcorations in the largex, traches, or intention, — alterations to brequently occurring in this affection? To this we would reply, that the parallest matter of the excavation was exactly similar to what we usually find in tuberculous cavitien; that the false membrane had equally analogous properties; lastly, and this fact is perhaps one of the mon coordinates, a cervical gland was evidently tuberculous, and in the course of those researches we shall find that we have never observed the subseculiation of lymphatic glands, except in plathicical patients.*

[&]quot;This mode of reasoning being probably rather some in the residen, we refer him to the more handred and fully eighth matine for its relation. If observation has demonstrated (and we believe it has), that after the age of filters tolerwise in may organ of the body involve them presence in the lange, the conclusions of the author are both legitimize and necessary, though without this previous regions observation, they would have been impossible. — Cowas.

Among the facts of this observation, over which we shall merely glance, we would recall the plearity of the left side, the invasion of which was marked by postty acuse pains; the partial and general dimination in thickness of the mucous membrane of the soursach, without well marked softening; the trast of consistence, and the change of color of the uterus, produced by inflammation; finally, the orderna of the lower extremities, which must be attributed to the obstruction of the erural verse.

33. For the purpose of terminating all we intend to remark on the subject of interculous excavations, it may be added, that in no one instruce have we met, surrounded by Acadday polimenary parenchyma, with cavities communicating with the brenchia, and lined, as are tuberculous excavations of long standing, with a false membrane of a light grey color, semieartifuginous and semi-opaque. Such, however, have been observed by M. Laennee, in the examination of persons who had presented the symptoms of plulinia during a space of time more or less considerable; and judging from their structure, it would be difficult not to believe that suberculous softening preceded their formation. The previous observation is indeed well adapted for the confirmation of this fact. For herr, as is the other cases we are referring to, there was but a single excavation; the pulmontry tissue was healthy; and we may conclude, that if the life of the individual had been prolouged for some weeks or months, the false membrane lining the cavity would have presented the characters we have fast meetioned.

We have also failed to meet at the apex of the lungs with those masses of condensed cellular tissue, in which the brouchial rumifications, more or less dilated, terminate, and which are considered by Laurence as the electrices of suberculous eavities.*

- 31. The depensions observed in the upper part of the lungs, around which their times is, as it were, puckered, do not appear to depend upon any determinate limion. We have frequently seen there when the polinomity parenchyma was healthy, or only slightly industed to a small depth, inste-diately beneath the plears. They were present also sometimes when either crude takereles, small excavations, or one-ous opportunities existed in the summit of the lungs.
- 35. We have never found branchief ramifications in the interior of talerculous easities, or at the masses of the grey, nemi-transparent matter, so that the first effect of the development of this substance appears to be, as M. Lacence has remarked, the destruction of the branchia. It might be thought that this destruction arises from the transformation of the air tubes into the grey or substantial matter; but this supposition appears to us very doubtful, from the fact, that we have never

^{*}These results are singularly degrates, when compared with those of M. Linemer, Annual and others, who bring forward regimes and undentable evidence of contribution of inferences are realized, and the formation of a fibre-corologous memberser, when the covery is not elettricial. It must be recollected that M. Lines never forces has unableaus beyond the name for of facts for a analysing, and if a remarkable that not one of these has presented as example of electronation; this inclines to to suppose that the presence of a cicatron line often bein factly almittally a suppositing confirmed by the increasing observations of our notice. That is believed as example of care is an important fort, and highly calculated to recoverage to in the research of memor which may find a arrest this hitherto most destructive affection. Valle indical, Chin. Med. vol. 12, page 281; Lisemer, pages 283, 325, — test mess by Dr. Farter. Controlly in the Keeny et Chiepton Jahalanos, admitte this some minumentable facts.— Compare Chiepton Jahalanos, admitte this some minumentable facts.— Compare

seen this transformation, either near the excavations or the tabercular masses, or in any other part of the longs, even where the broachia presented various alterations. It is, then, highly probable that this destruction takes place by absorption.

- 36. The broachial mucous membrane sometimes retained, in the neighborhood of tuberculous ravities, its natural pulsaries. In general it was of a bright eed color, and this seemed to be caused by the continual passage of the purulent seemed ion of the excavations through the broachia; for it was not present, or very much so, near the masses of grey or tuberculous matter not yet in supportation; it was less frequent in the broachia communicating with secret than with old excavations, and when existing throughout the lung, it was not more marked around the latter than observers.*
- 37. When reddened, the broachial mucous membrane was sometimes a little thickened, and occasionally the seat of small electrations. But much more frequently there was dilutation of the air-tubes, and hypertrophy of all their tonics. This hypertrophy was especially marked in the upper part of the image, where the broachia were often three or four times thicker than mound; and it is easy to conceive that such various changes would tend to augment the severity of the principal affection.)

^{*} Numerous facts are southered through the volume tending strongly to corroborate the statement that the induces of the practice termbrane of the air-takes and its offereston are after depending on the contact of the contense of the takerculous arrayalisms. The fact has not before been demonsorated, and is important in the question of the dependence of takercles on broachets. — Cove.A.s.

t The frequency of silited feminists in the apper laber to rather in apponition to what we know of the progress of simple breachitis from below appeared; it might naturally be expected to prevent where breachitis is most

38. Inflammation of the pulmonery perenchang was not rare. We have observed it at the second stage, in a very variable extent in eighteen subjects, or in a little less than one tixth part of our cases. The pulmonary times was red, contaked no nir, was indurated and granulated, in a word, hepstizzel; and, almost constantly, the negativation existed in the later labe. In time subjects a occupied a considerable space, from the half to three tourths of one of the lines. In the others it was much more limited, and presented the appearance of small muses more or less deseminated. The excuvations were very comiderable in four of the first-mentioned class. In the others, there many either merely remi-tramparent granulations or robercles partially excurated. The characters of the aberation indicated a recent disease; and the history of the symptoms proved, as we shall see further on (296), that it had only preceded death a few days.

frequently then in the heavy token. Does the physical constant of the equipm per portion of the heavy exert any influence on this market problemly it — Cowney.

I I doubt the Next which the transferrer gives as the hade of the previous remark. If the readed will observe, Louis does not my discusses of the branchis is most frequent in the upper hims, but merely that hypertering (epidemorment) of their different textures is repercelly moded in the topper port of the branch. Again, I have a positive first which briefs to prove that differents of the branchis texture, a positive first which branch is prove that different of the branchis terrors, otherwood at La Pinio, I find measured in two dalercest places, in the breatest agest distances of the branchis, and in their appear the courses of plothesis, the following date. Out of theory cases of distances of the branchis, citer had distation measured the force of the larger five transfers the appear parts; see had growing distances. Out of the process the larger five transfers the appear parts; see had growing distances. Out of the presumptions, when he speaked the effect of the text, and some upon late persumptions, where he speaked the "troppersory of distance from the appear hims." — II I II.

39. We have found a state of simple engorgement, or the first degree of parametris, in aventy-three subjects, and usually not extensive. In four cases only it occupied the greater part of one, or even of both lungs, which were still compitating, giving west on incision to a large quantity of red frothy fluid; the consistence of the engaged part was much diminished, or it was easily torn.

In one of the cases where a considerable portion of the long was thus affected, we observed two days before death pain and a rather line crepitation in the affected side. These symptoms confirm the inflammatory nature of the affection, and indicate here, as in the preceding cases, that it had commenced but a few days before death.

40. The development of this complication at a period so shortly before death is not peculiar to phthisical cases. We have remarked it at the termination of other chronic diseases, and is nearly equal proportion. In one hundred and treely cases where death took place during the last stage of these affections, in treely we found a portion of one and sometimes of both lungs, red, granulated and hepatized. A state of congestion was noticed in ten other instances; and, as we have shown in the cases of phthisis, the history of the symptoms proved the inflammation to have preceded death only a few days. It results from this comparison of cases, that tubercles and tubercular excavations are nearly without influence over the development of passures/a in the last stage of phthisis.*

[&]quot; Vide Article " Presumotor" under the " center" of Philippe, "Coware.

ARTICLE IL.

PARAME

41. Nothing war so frequent as adherion of the large to the please; for in one hundred and tracks cases there only existed one in which the two large were perfectly free in the whole of their extent. We have only found the right lang completely without adherions eight times; the left only seven, and in these cases there were either no inherenbon excavations, or only those of very limited dimensions.

In twenty-five other cases, the adhesions were cellular, easily repaired, confined to a small space, and seldom persent on both sides. In seven out of this number there was no excusation in the lung corresponding to the adhesions; in no others the cavities were small, and in the remaining eight cases they were of moderate or very considerable size.

Among the other solividuals the sulfacium were universal, or nearly so; formed either by variably dame contain tissue, or a false membrane; in both which cases large cavities almost constantly existed.

Thus, there was evidently some relation between the extent of organic alteration and the plearal afficiency; if the latter were alread, these were neither large nor middle-mard excavations, and in general none whatever. Were they weak and limited in extent, the cavities were generally very small, rarely targe, and sometimes altogether wanting.

Lastly, where the adhesions were denre, extensively distributed or even universal, they always indicated excavations is the lungs, and in the great majority of cases that there excavations were large, or at least of considerable size.

- 42. The proportion which existed between the size of the taberculous cavities and the affacious, demonstrated the influence of the first upon the second. The large excavations constantly occupied the summit of the large, approximated closely to their surface, and there only were found those dense resisting falso membranes which we have already described (23), as either strengthening the sides of the earlity, or constituting them over a certain space. This mutual relation between criticis and adhesious is also pointed out by other facts. Thus, in two cases where the large only contained two masses of taberculous matter immediately beneath the please, the adhesions were confined to these points, and were found by a cellular prolongation, one inch and a half long, and of the same size as the subcroulous masses.
- 43. We have twice found a false membrane of moderate consistence lining the pulmonary and costal please, converted into toberculous matter (Obs. 16). Another case has presented us with an example of the same transformation, though of very limited extent, taking place in a false, sumi-cartilaginous membrane which suredeped the summit of one of the large.
- 44. These adhesions were the consequences of chronic inflammation of variable duration; and, as we shall bereafter see, the period of its commencement could, in many instances, have been determined by the history of the patients (246).
- 45. In cases of other chronic diseases this was not always the fact, and in the majority of instances we were unable to assign any cause for the adhesions which existed. We have found them thirty-five times out of one hundred and ten, and in twelve cases they were universal, either on both or only on

one side of the chest. Although this proportion is considerable, it is still very inferior to what we find in cases of phthisis (41); an additional proof of the inflorace of tubercles in the production of adherious. But what, under this point of view, is altogether poculiar to phthisis is the semi-cardiagnous envelope covering the manufact the large, and the transformation of false membranes into subgraphes matter.

- 46. As we have already extracted in speaking of paeumonia, the invasion of plearing extractes in a large proportion of our patients must the lost stays of life, the period of extrante weakness and constitutes. We have observed it in one touth of the cases. The long or costal plears, frequently both, were conveed to a greater or loss extract by a soft, yellowish, false moniteness of variable thickness; there was an efficienof a certain quantity of a arrow, reddish fluid, limpal or otherwest, or even completely particule. The extractors of the attention indicated its erecut notice, and the battery of the symptoms proved it could not date further back than ninetons, toubse, eight, or three days before death (287).
- 47. Patients dying from other clustic affections have presoned the same alteration, proceeded by made symptoms in the last periods of his, only the properties was rather less, our thicteenth. From when has been suid, we may exteclede that permission and pleasing are frequently developed in the last period of publish and of other cluster discusses [surcetimes resulting from evident causes, as the application of rold to the surface of the body, but most frequently without any appropriate origin. Then progress is rapid, and they augment the number of causes which have a the dusts of communities patients; they also form strother argument for being more waterful is our treatment of promoted cases, when near their

termination, and show the necessity of protecting the patient from all those external influences calculated to produce either of the complications above mentioned.

48. We have also frequently observed in the cavity of the please an effection of clear floid, in quantity from a quart and upwards. This efficient, which took place in the tenth part of our cases, came on at times very rapidly. Of this we were consinced in two instances, where the therex gave every where a clear round on percussion thirty-six hours before death, but where two quarts of clear senses were alterwards found in one side of the cheat.

The same officien took place at the close of other classic diseases, and excepting after affections of the heart, was present in one fourth of the cases. This difference of proportion corresponds to what we have remarked with regard to the adbusions of the lungs to the pleases, in patients dying from plothisis and other organic affections. It seems to indicate that this species of hydrothorax is unconnected with the nature of the disease.

ARTICLE III.

PRODUCTION LANGUE AND TRACHES.

49. Of these three continuous organs, parts of the same apparatus, vary analogous in their structure, and susceptible of the same alterations, the largex alone has attracted the attention of observers in the history of plahisis. In electroises have been described, but those of the epiglotis have been scarcely mentioned, and those of the tracker almost entirely overlooked. The cause of this omission is no doubt owing to the fact, that there are frequently no symptoms whatever to

amounce this alteration, and also to the practice among many medical men of examining after death those organs only whom functional dorangement was more or less prominent during life. Be this as a may, alterations of the epiglical are not assessment in phthisis; they indeed are altered as important there of the largest, for in one hundred and two cases in which the respiratory tube was carefully examined, they existed with those of the largest and traches in the properties of eighborn, twentytwo, and thirty-one.

Size L - Ultrasius of the Yorkes.

- 50. When the mucous membrane of the traches was alectated it was generally of a height red rolor. Sometimes, however, and especially when the number of the alcerations was inconsiderable, it returned by natural whiteness. This was the time in six part of the shirty-one observations in which we have remarked the abstractor alluded to; and one of them was an example of very extensive alteration (Obs. 16). It was in the lower half of the mechan, that is, in that portion of it where alcerations are the largest and most removerne, that the reduces was most strongly marked. There were associated with it, in about one fifth of the eases, a slight thickening and inconsiderable softening of the mucous membrane.
- 51. When the ulcerations were small they were usually equally scattered throughout the electroference of the trackers; they were of a round or axal form, varying from a line to a little more or less in diameter. The macous membrane was destroyed by them, their bottom formed by the cellular tissue slightly or not at all thickened, their edges that, and their general appearance that of having been made with an instrument. It is now easy to conceive how these small observations, with their flamened edges and pink color, should have escaped to-

tice, when the traches was not missouly examined or previously washed.

52. If their dimensions were more considerable, they were unequally distributed. The largest were found in the fleshy portion of the medica. The nuccou membrane retained in their vicinity, as also in that of the smaller alcorations, the thickness, color, and consistence which it possessed in the rest of its surface. The submectors layer, inducated and thickness, formed their lining, or even this was either usually or partially destroyed, and the mesoniar cost exposed in the corresponding point (Obs. 15, 16). This last tunic, when thus dentified, was twice or three times as thick as natural, and in a small assuber of cases we found it more or less deeply ulcerated (Obs. 16).

A certain number of the entiligenous rings was sometimes completely denuded, ciminished in thickness, and either partially destroyed, or their texture entirely distided at one point (Obs. 15, 16). This last alteration we have only observed once (Obs. 16); while we have seen in five cases the complete destruction of the mucous membrane of the traches throughout almost the whole extent of its floshy portion. (Obs. 15, 43)...

53. The preference which the large ulcerations almost constantly exhibited for the posterior portion of the staches anny, perhaps, find a solution in the constant passage of the spata, and their more or less prolonged contact on this particular part. For, if too exciting liquids produce inflammation and ulceration of the mucous meantenne of the storagel, we might expect the same effect on the tracker from the undoubted instuning influence of the excepted fluid. Besides, it would be difficult to explain on any other grounds, why the ulcerations of the epiglonia exist, as we shall prove further on to be the case, only on its lower surface, the one which is more to learfrequently in contact with the spara.*

But while we admit that the expectorated matter may have a decided influence both upon the extent and seat of the obsertions of the traction, we must recognize also some other cause; for they are far from being always in proportion to the initiating properties of the expectoration, nor do they econtarily exist oven when the affection of the large is considerable, and the subcreater excurations of long streding. We may also add that the branchis, in which the expectorated matter circulates and remains a greater or less time, are less forquently (we have only found them seven times), the sent of alreemion than the tractice. It is, however, possible that this number is understood, for, with respect to the present subject of impairy, we have more examined the bronchis with the same attention as the traches.

54. In one third part of the enter where this regan was free from of certains, its motion membrane was of a red color, increasing in internets according to the postunity of the bifurcation. It was still more marked in the nanomiar portion than observation, so that it persond the same course as the alternation, and no doubt partly depended on the carrier; and netention of the sports in the trackets.

^{*}M. Bomania, in tal. 6, page 176, of two Michael des Phlagmania (Messa-Spate, the importantly introposal the south of M. Lou. He may, "Exphlages: Attemportalizate de la membra de la larguage est product en transmis lagra of frequency). To n'eu acqui a "mili to revers filtronimates d'une manifer bless personables como est pourse ouez que les parquales deves et Stides qui s'elizant des pieques paradous divinar en facultor efficiencement l'action." — Comp.

Noc. 2. - Ulcerations of the Larray.

- 55. These were, as we have already remarked, a little less frequent than the preceding, soldom muccompanied by them, and present in one fourth part of the cases. Twice only we have observed them uncombined with those of the maches, and in many instances they sensibly varied in their characters from those of the latter. Seldom superficial or presenting the appearance of proficial fermation, they were generally of a certain depth, more or less irregular, and from one toten lines head. Their edges, of variable consistence, were sometimes lardaceous, of a greyish or whitish color. The mucous meanbeane was pale and perfectly sound in the rest of its extent.
- 56. The most frequent sent of these alcorations was first the junction of the vocal conds, where they were sometimes superficial; then the vocal cools themselves, especially their posterior part; then the base of the arytenoid carrilages, the harynx, and the interior of the ventricles, which we have found only once the sent of small, superficial olders.

In some instances one or more of the vocal cords were completely destroyed, and the base of the arytenoid cartilages laid hare. When this was the case the eartilages shouselves were perfectly healthy.

Spc. 3. - Ulcerations of the Epiglottian

57. We have remarked them eighteen times, or in about one sixth of the cases, and fror times unaccompanied by those of the bryux and unchea. This complemion, however, existed in the other cases, so that all the examples of ulceration, enumerated in this and the two preceding paragraphs, have been edilected from forty-four cases, about four teaths of those whose history we are now analyzing.

Same inter superficial, the ulterations of the epiglettis were generally of a certain depth, not, however, (with two exceptions) penetrating the fibro-carrilage beneath. The morous unsurbrane surrounding them which were superficial did not appear evidently thickened, when the observations were deep, it was rather harder and thicker than in the moral state, either in the immediate vicinity or in the intermediate space. It was sometimes likewise of a rose color, and is many instances the layer separating it from the thro-carrilage was more or less paffy in its texture.

58. The observations existed, as we have aboutly remarked, absent solely on the laryngual surface of the epighitis, and most frequently on its lower lab! Once only we occuntered them on its lingual surface (Obs. 12). Their dimensions were from one to two lines, often larger. In some cases even the nuccus membrane of the apiglistic was destroyed over the whole extent of the intence unface (Obs. 6, 14, 12.) In others, the carriage was destroyed in persons of its circumference, giving a festomed appearance to the epiglistic. This we have seen four times. A lifth case has presented in example of complete destruction of the apiglottic (Obs. 13).

59. We have in no our instance discovered tuberculous granulations in the substance, or on the surface of the epiglottis, largues or tracken; which fire induces us to believe that we ought to consider inflammation as the most frequent cause of the ulcerations.

Another fact of importance to be remarked in that there ulcertaious were twice as frequent at men as in women. Thus, in an equal number of cases, the women only presented six examples of this state of the epiglotte, seven of the largex, and nine of the tracken, out of eighteen, twenty-three and thirtycare cases; and as the proportion is nearly equal for the three kinds of ulcerations, it is probably not the effect of

EFFOLORIUS, LARENT AND TELCHES IN OTHER SHEESEN.

60. In making an accurate emissary of the state of the epiglocie, laryex and trachez, in cases terminating fatally from some other disease than platticis (particularly chronic affections), we have found in one handred and nightly instances, one example of alcoration of the laryex, and two others when both the laryex and traches were similarly affected. In the first case the patient had died of presencein, and the lungs presented no trace of organic losion. In the last two they died of cancer and softening of the brain, and had inherculous cavities in the lungs. From what has preceded, it follows that we must comider the alcoration sof the laryex, and expocially those of the traches and epiglicia, as alternious populiar to pathinic.

With the exception of three cases of orderns of the glottis (Ohs. 46), the changes we have described are the only ones these organs have presented to us in phthisical patients.

*The whole of this section may be emissioned as peculiarly relatible, and contains decidedly the most unit only accurate account which we get possess of the state of these organs in philips. The compositive analysis of data proving that their lesions are sinust porular to the distance is very valuable, and gives a post idea of what is will frequently described as a larguignal phthisis." There are more interesting researches on this exhipoet in the twenty-record latter of the second look of Morgagni, on the causes and seat of diseases. The reader near test larger that the author's sunchaines are continued to throns decreases, and where apphilis is not present. The latter has a special action on these organs, and in typing and most other scatter decrease after the decrease, and where apphilis in the powers.

CHAPTER II.

ORMANS OF CIRCULATION.

ARTICLE J.

SHART AND PERSONNELS.

61. Parmiss has been considered as one among the numerous causes of ancurien of the heart; but this opinion does not appear to us to be supported by facts. In one hundred and twelve cases where death was caused by phthisis, we have only found three examples of an avident increase in the size of the heart. This increase was confined to the tell ventracle, and might be estimated at one third or one fourth of the normal size of the organ; none of the individuals who presented it had experienced accordinal symptoms.* In the

^{*}The absence of symplems when the austranced characters of disease are present is not unfrequently the case with the heart; and to prevent this being brought forward or an argument against the utility of pathological researches, it is only necessary to mention that the territions of one in that eagars, when corresponding with the obstructed state of the functions it is declared to discharge, are rather obstructed of health of we may be express ourselves) than of discharge. Symplems only appear when the hormony of organ and function is destroyed, either by the change in the furner being prolonged beyond the assenting which produced it, or by some principle obstruction is the organ itself from its healthy since. Of course this principle of papears to increase or diministion of natural, and not if morbid structions. Gawan.

great majority of cases the heart was under its usual dimensions, being not more than one half or two thirds of its natural volume.

This last fact is easily conceivable from the general emociation and decrease of the fluids; but we cannot apply the same reasoning to the dislotation of the cavities of the heart; for the impeded state of the pulmonary circulation, to which it might be attributed, is gradually produced, and, consequently, being proportionate to the circulating fluid, on that account is not to be considered as a cause of dilatation. Let us add that, if this obstruction was to cause increase of the heart's volume, it would take place on the right side only, which is contrary to observation.

- 62. Diminution of the volume of the heart was evident in the great majority of instances, both in patients whose disease had progressed slowly, and in others whose the fatal termination was not protracted beyond a few months.*
- 63. The heart was in general of good consistence. We have, however, found it more or less flaceid and soft in about one fifth of the enses, and this diminished consistence was not proportionate either to the damation of the disease or the age.
- M. Brononie, to invalidate the author's emclusing relative to the state of the heart in philinic, says that he has absenced hypertrophy of the heart to be acceptance the course of philinia, and that is offerment becomes also phied with the other organs. The proof of this would require manuscus detailed facts; the more assertion of what would be extremely difficult to substantiate to reduction.—(Econom. dec. Duct. Alest, vol. iv. page RR.)—Dv. Chirles, in his work on Glossier, page RB, raye, "In hereafting cases of philinia, I think the powers of the beart are index the indicates standard. A small, feelle heart I consider a cross predisposing source of concumpent." It will over be thus with what we will facts in medicine, when assertions have no other basis than the impressions of introcoded experience.—Coman.

of the patient. At other times is was timer than usual, which generally coincided with the hypertrophy of the parieties of one or other of its curities.

- 64. This thickening was remarkably developed in seven cases; six times in the left, and once only in the right venticle; inversely so what would be the case were an obstacle to the pulmonary circulation the cases of the phenomenon. In these different instances the cavity of the heart was diminished, though the volume of the organ had not semilely changed; it was sometimes even less than natural; and we might in that easy admit that the apparent increase of thickness arose not from hypertrophy, but from the contraction of the parieties on themselven. We droppenly observe the same fact in the intestinus when they are contracted.
- 65. Diminished thickness of the tentricles was less frequent. We have only observed it twice on the right, and four times on the left side; no that, under whatever point of view the comider the cavities of the heart, we find that those of the right side less frequently denote from a healthy state than those of the left; and all that we can possibly conclude respecting the influence of platters on the heart, in, that in volume is diminished in common with that of the other organs.
- 66. In no instance have we found organic alteration in either of the cavities of the heart, by which we may infer that the mere activity of an organ is not sufficient to explain the more or less forquent alterations of those of which it is susceptible.
- 67. We have twee met with adhesion of the perion-flues to the heart. In a third instance the membrane connecting them was a line in thickness, of moderate consistence, and melosing in in substance a small quantity of clear third. The panent

who presented this example of pericarditis (Obs. 19), expenienced great pulpitations, and her pulse was extremely irregular during the oversty-three days she was submitted to our observation.

In a tenth part of the cases there was an effusion of five or six ounces of serum in the pericordium.

HEART IN STREET CRESTOC DUNCASES.

68. At the termination of other chronic diseases the state of the bean was nearly the same as in pathisis. Out of eighty cases we found it larger than natural in fave; in nine, it was flaccid and soft; in eight, the left vestricle was hypertrophied; and in seven it was distribled in thickness, whilst the right vestricle presented only a single example of either of these deviations. Lastly, the volume of the heart was much less than natural in thirty cases, or nearly one third, a higher propution than in pathisis. This difference is to be attributed to the presence of cancerous affections, especially of the stomach and oterus, in which the dimenshed volume of the heart was both more frequent and more strongly marked than in any other disease whatever.

ARTICLE II.

ACCTA.

69. In the majority of instances it was healthy, and in one fourth of the cases more or less red, either partially, or over the whole of its extent. This redness penetrated to a variable depth in the middle tunic, occupying the whole circumfercode of the vessel, whether is commised little or no blood; to that we could not comide it the effect of imbibition. It

nomenines extended into the principal ramidications from the norts, particularly into the caronids. With one exception it was confined to patients between the ages of twenty and thirty-two (Obs. 1, 19, 30, 40, &c).

The organic alterations of the north; the soft and yellow, or white and carteliginous parches; the observations so frequently resulting from them; and lastly, the concounderportio were rather less frequently observed than the reduces; they were only present in one sixth part of the cases only, either separately or combined, and in individuals from the age of thirty-five to asventy-five. In general they were more advanced in their development, and occurred more frequently at the bifurcation of the north than at my other point.

21. In consequence of the diminished quantity of the circulating flirds, it was natural to suppose that the attend system, especially the sorra, would present a less considerable volume in cases fatal from plubish than from acuse affections. This difference was actually found to exist, though less marked than we might at first have presumed. Thus, is twelve persons from twenty to thirty years old, who died of typhus, the aortahad for mean dimensions, counting respectively from the parts corresponding to the free edge of the sigmoid valves, from one inch below the origin of the left subclavian, one inch above the exline trunk, and at the point of bifurcation into the twoiliam, twenty-right lines and nine tenths; twenty lines and four terribs : seventeen lines and nine tenths; and thirteen lines and sixth tenths; whilst in an equal number of phthisical patients of the same age and measured in a sinsilar way, it was in the same points twenty-seven lines and four tenths; mineteen linesand three tenths; sixteen lines and seven traths; and swelvelines and six tenths; a difference, though certainly slight, yet, however, real and proportioned every where to the volume of the artery; so that where the dimensions were the smallest the difference was less than it was any where else, and was precisely one line.*

We have instituted this comparison in subjects of the name age, became the norm at different periods of life varies greatly in its dimensions. Thus, from the age of forty to fifty, it was thirty-fore to thirty-five lines wide at the part corresponding to the free edges of the sigmoid valves, in cases that from acute diseases; it was thirty-rive lines wide in cases of phthisis, and only thirty is individuals of the same age who died from cancer; these differences existed throughout the whole length of the artery, proportionately to its diameter, and the last fact ments particular attention, as it coincides with our previous remarks on the smallness of the heart in cancerous affections.

ACETA IN OTHER THROUGH DISTARD.

72. The lesions of the aura, which we have just enumerated, were present after other chronic diseases, but not in the same proportion. The reduces existed in one eighth part of the cases, and the organic alterations in one half. This difference might favor the supposition that there was some connexion between the different states of the north and the nature of the disease, but the consideration of the age explains all. In abort, whether reduces of the north was observed after phthisis.

^{*}The inequality of the dimensions of the meta in the portion comprised featuress the left erbelection and the carlier trunk, proves that this artery is not composed of a succession of cylinders, but this it is really come shaped. We have contribled the same last for the featural, the primiter exceed, and some of the smaller vessels. — Letter — A valuable measure will appear as this subject by M. Birot, in the first volume of Memoirs of the Societé Medicals of Observation, to be published the enough winter. — Cowax.

or any other chronic disease, it was always in individuals from twenty to thirty-five years of age; and we must recollect that the najority of phthicical patients die in the carlier periods of life, while it is generally at a more advanced period that other chronic diseases are fatal.

73. The frequency of organic tesions of the aceta, contrasted with the great rariey of those of the heart.* confirms what we have previously unrationed, viz. (67), that this kind of alteration is not always in proportion so the activity of the functions of an organ; for those of the sorts are almost wholly mechanical.

74. When the internal membrane of this some was red, it was not thickened; but sometimes, in the points where this tint was dorpost, we have found it less consistent and more easily separated from the middle cost than in a state of health. The latter, even when colored, affered no similar alteration; and ax redsens (instally the only appreciatio charge of the interral stendence), is not sufficient to characterize adamination, it seems more prodent, before coming to a decision, to await additional faces. M. Bertin, indeed, in his work on diseases of the heart, relates a case in which he found the internal mumbrane of the nerta of a bright red, and fixed by a coagulated membranous equilation; or, in other terms, evidently inflamed. But the author has confined himself to the description of the redness, and has omitted to meanon the consistence or thickness of the arterial coars; so that his observation, in other respects so incoresting, cannot saterion may

In these manifed and fully cases, latel from a great cartery of diseases, we have only found two instances of organic disease of the fourt, and it connected each time of a partial franciscum most of the financiato canceroos making.
 Legan.

general conclusion as to when the redness we are now considering may be regarded as inflammatory.*

With respect to the yellow or white and cartilaginous sport, &c., of which we have already spoken, their origin seems still more obscure. We only meet them after a certain period of life, (36 or 40), and they are then more or less frequent in almost every instance. From this it appears they are regulated by primitive laws, common to all, and the natural consequence of age. No symptoms disclose their existence, and we do not see on what foundation they can be regarded as inflammatory products. To establish such a conclusion, it would be necessary, we think, to demonstrate that there is not, and could not be, any organic lesion independently of inflammation.

"We would refer our reulers to an able article by Lamner, page 644, on the redness of the iming members of the actories; to Andral's & Chin. Med.) and to a memor by M. M. Rigot and Temperat, in the Archiver Gen. de Med. vol. vv., and Gendein. Hist. Anat. des Fegun. vol. il. page. 9. There is every reason for supposing the photometers, when not effect. ad by other changes, to be the result of imbibition. The state of the blood at the research of death, the temperature and the free or emberrassed state of the prophysicsy functions, seem asseming the most active extens of the appearance in question. By Booffield, (Dic. de Med. Fred. vol. 41). Bertie, Keeyvig and Provin, ii has given vise to a theory of Jener, which, with the farmer at least, is a kind of astroids. The various opinions entermenod on this specialis affects a writing illustration of the pliability of fasts, when sursyof in support of some farents ductrine. M. Leuis (Vide Ecsears, page 3.3 has since concluded from the innilysis of a great transfer of hild cores from a vertely of sente affections, that the reduces of the write is a special phenomenon of inhibition, depending on an identities of the blood, - of the artestal tissue, - both, in certain cases. - Cowart. - 5or Logis on Peter, vol. i. page 201 to 201. - IL L E.

CHAPTER III

DIGESTIVE OBUGANS.

ARTICLE I.

PRIARYSY ASSOCIATION SANCES.

75. They were almost constantly healthy.

In eighty cases the only alternations no large observed in the plaryes were effectations in two instances. These were small, numerous, and nearly uniformly distributed over the whole of the process areadorane, which was slightly thickened in the intervening portions (Obs. 13, 29).

- 76. In two other examples we have found afceration in the outplague. In one of these but a single alcoration, fire lines hand and timestal in the central part of the organ, could be observed. It was litted by an extremely this layer of collaboratione, and round its edge the miscous montrane was thickened and detached with the subjectua layer over a space of two lines. In the other intersec, there were numerous minute, superficial alcorations, as if artificially produced (Obs. 34).
- 37. We have frequently seen the internal surface of the enoplages fixed by a kind of bucket up false membrane, very much resembling those apphous exactations to frequent in the

interior of the mount, and of which we shall hereafter speak (354). Here the epithelism had disappeared; but the mutous membrane presented no alteration in color, consistence, or thickness (Ois, 30).

- 78. The lower portion of the encephagus was in three cases softer and thirner than usual; this besion equally extending to all the membranes, and also existing in the stomach.
- 29. We have never detected my symptom which could be referred either to the electrons of the pharynx, to those of the assophages, or the diminished thickness of the lower portion of the latter. The same observation may be made in regard to the soft, pulmecous membrane already mentioned, unless, indeed, in can be considered as the cause of the dysphagia which existed in one instance for a considerable time (Ohs. 30).

PHARTEN AND GRAPHINGS IN OTHER CEROMIC PERSONS.

60. In the post mortens of individuals who died of many other chronic affections, there were neither ulcerations nor thinning of the pharyex or exceptages. In cases final from scure discuses we have never found alcerations of the mucous membrane of the latter, except in typhus feser.* The species of denites or of files membrane, of which we have speken, was present more or less frequently after all chronic affections.

^{*} See Louis on Ferrer, vol. 1. juges 150 and 151. - H. I. S.

ARTICLE II.

STUBACH.

Such Low Volume and Streams of the Stream In-

81. In both these suspects the changes were constinent remarkable. Our of nicety-six electronicus, when they were carefully noted, in since the mornels was twice or three times its natural volume, and chantel lower in the abdomen than it usual. In six of these ranes in great curve was on a level with the line creat (Ohn. 18, 19). In the other three it descended only a little below the ambilious. In all, the liver was voluminous, evenlapping more or less the autorior surface of the stomach.

STOULCU IN OTHER CHRONIC BUILDING

82. This considerable displacement and increased volume of the stomach, are, if we may so express ourselves, premiar to phthisis. They are very rarely observed in cases fatal from other affections, which may lead us to presume that they are for the most part to be considered as the consequence of repeated shocks caused by the cough.* Out of two handred

^{*}This effect of gough on the different of the enterior may comingly be questioned, both from the physical flows which regulate the abdominal entity, and the fact that in pullets the energy is not or votent or or change as that accompanying some other theretic affections. In our remarkable factance is the words of M. Porty, in Le Prin, the second decembed penerty is the pulse pulsely was accordance by percenter, and change of position after the pulses had taken a large quietty of finely, and here these were an appropriate of theretic disease.— Cow as

and thirty cases of various chronic and acute diseases we have only seen it in two instances. One was a case of diseased heart, — the other caries of the vertebra. In both the great curvature of the morrach descended as low as the superior disc apine and the liver was also of large size and low down t so that whenever we have encountered this combination there was a constant relation between the liver and storagh.

83. The aborations of the latter were principally in she macous membrane. This was both thinned and soloned, sometimes even destroyed; in other cases it was more or less red, and occanionally thickened on its america surface; while again in others the redness, accompanied by very marked softening, existed only in the great cul-de-sac. Ulcerations were sometimes found; but more frequently there was a remarkable manifestor's appearance of the nucous membrane. We shall now successively describe there alternations.

Sec. 2.—Sattening with dimensional thickness of the Muones Membrane of the Stamach.

84. This condition of the moreus membrane, which we have already described,† was present in about one fifth of the

What this term includes will be, even by justicease to paragraph 94. —
 Lores. — It corresponds to numerousied as the basedation of the work on Force. — H. L. R.

I Vide Louis our Discress Malessier, Paris, 1926. The measure referred to in founded on four hundred and felty post morteus of patients in the wards of M. Chomal, the mortial ideration forming the subject of this section was present in our twelfth of the cases intensing the subject of this section was confirmed by subsequent facts. "In two bundeed cases find from chronic finances, their face presented the forms in question; twenty-one was second, position on the Confirmation of the stomach exhibited and fafteen cases of sense affections, this condition of the stomach exhibited in twelve. In one sixth of the

cases, or ninoteen times out of ninoty-six. It was most frequently observed in the upper part, and especially in the great cul-de-sac of the stomach. It very frequently extended over half of the mucous membrane, or still further, while it was occasionally bounded to an extent not exceeding night or ten square inches (Ohs. 1, 3, 4, 7, 26, 27, 32, 35, 39).

85. The affected partiess had a pently or slightly yellow arpact, were destitute of norcus, and remarkable for the great number of large and usually empty vessels, which were

chronic cases it was not indicated during life by any symptoms. The iftergion was always more frequent in some or than in man, which sume to peops that the inflavour of strong, cambiding divide to his the most send or correctly expect serious lesions of the goalrie reaction membrane. This idea is strengthened by the examination of facts where contains substance have feen englished, for not in sufficient quartity to more distle. Though soeastering the most violent symptoms, the fine-tone of the atomick are perfeetly no established after a few days. Nearly all the facts in Orfile's Topleadings may be rated in proof of this; they benefind patients in the vanional hospital of Paris, were presented by an accidental accessor of exempte autfinale, of which the minimum was it to it; go. Absolute religation point, vonings and contriction of the theori bilirend; but all got well-after a few hours. By the use of emoldiest administra drinks. To tea so twelvethose wave slight epigasine pains during a formight. Not one was utuched with neutron or abronic gratitits of my duratum. May we not sunctials that the apparent cover of patrice are only anomalory, and that this doesnotegains a very varied profuguition?" Are not the mostly of annual seaen the shough often empressed! If It there sot a marked difference between a gostitie Door on automot and an informal source! Anthone de not appear to hape sufferencely issued men that point, and to we need mind. it is at once a quietae to many fivorite mornios as guerras inflavantion, and a strong raison for providering to movily tradicalal complexitum, many local changes which have been frequently regarded as the entire of this gam. end symptoms instead of no you of their effects. This is, however, not the place for extending our remarks on the subject; we may observe that in the above rases the results of M. Louis as in the correspondence between the lestger and the sumerh, mentogod in similar part of this work, were fully omlimed. -Concudatement, and the nuccess membrane was more or less raised about their edges. These peculiarities were obvious, and at once indicated the seat of the mortid alteration we are now considering. In these points the nuccess membrane was pale, temi-transparent, sometimes greyink, or of a dail sed color. It was extremely softened | often not firmer than moderately viscous arrens. Its thickness was nearly that of the nuccess membrane of the small intestines; in some cases it was entirely destroyed over a certain space. In many cases, near parts which were thinned and softened, there were others which were rather soft than thin, and viex nexts. A comparative section of the diseased and limithy portions proved the great relative difference of thickness.

86. Instead of constantly occupying a continuous surface, the alternations we are considering sometimes assumed the form of bands, but in this case the deviation from the healthy state was commonly not so strongly marked. These hands were from two to three inches long, of the same and sometimes a greater number of lines in broadth, and were approximated to each other, the intermediate mucous membrane retaining its natural thickness.

87. The cellular tissue under the nuccous membrane, which was diseased, was usually sound. In four instances only it was completely softened, yielding to the slightest force, and both the muscular and peritoneal coats were similarly affected in the corresponding points. Thus, we have frequently found the stomach perforated, notwithstanding our employing the greatest precaution when detaching it from the neighboring parts; while the absence of all efficient into the peritoneum proved that the perforation could not have existed during life (Obs. 7, 32).

- 88. In the majority of instances the moons membrane adjoining the softened part was manifested, of a red or greyth color, over a considerable extent (Obs. 1, 4, 35), occasionally thickened or alcorated; and sometimes, though very rarely, the thinsed and softened portion sur-continuous with mother equally thin, but of a bright red color, and becoming gradually thicker (Obs. 39).
- 89. When there were redness, thickening and sometimes softening of the nucous membrane, the exotence of inflamunition was evident. The manufacted state, amind to a greyish color and olcerations, indicated, as we shall be eafter see (94), a similar lesion, so that in more than one half of the eases, the thinned, softened, and gale moreon membrane was contisuous with a part evidently inflamed. From this it is natural to suppose that softening and diminished consistence are among the effects of inflammation; and what renders this conclusion still more probable is, that when these were alone present, the symptoms observed were those of gastritis. Diminished thickness and palesees of the mucous membrane are not opposed to the idea of inflamention, for we daily not, after the application of a blister, and frequently but for a abort time only, the skin become thin and completely destroyed, and we might expect paleurs to accompany approaching destruction." We have more frequently remarked this state of the stomach in women than in more (in the propurtion of twelve to seven), which seems to indicate that the most com-

[&]quot;It is rather amoning to find M. Brossais admitting that in this section the author is " do become for," furname to Jose not heritate to explain those organic besides by implementation.) that is, whenever be agrees with M. Brossais, he is right, when he differs, he is wrongs. This is, throughout, the spiral of M. Brossais's strictures. — Vido Eraman, vol. is, page 550.—Cowar.

mon exciting causes are not excesses in enting, women being less addicted to them then men.*

- Sax, Z. Reduces combined with thirthening, with a manufacted state or softening of the Mucuus Membrane, and occurring in the anterior portion of the Stometh.
- 90. In eight cases out of ninety-six we have found this species of alteration. The nucous membrane was sometimes smooth, sometimes uneven and namillated (manuformee), and almost constantly covered by a very copious and renacious mucus, which was here always more viscous and abendant than in any other part. In some instances, the consistence of the amous membrane was diminished and its thickness greater than natural. In one of these, the red and thickened part was fixed by a soft, yellowish false membrane, not extending beyond the part affected. This modification, evidently inflammatory, existed is individuals of different ages, and the duration of whose disease had varied from three to five years; it was also much more frequent in women than in men, in the proportion of seven to one (Ohs. 10, 18, 29). In the not of its extent the macous memberne approximated more or less closely to a healthy state.
- 91. The situation and volume of the stormeh had undergone some remarkable changes; its dimensions were very

^{*} The nutbor's transcore reportioner as to the informed and thinned state of the guestic nucrous numbers of, (Vale Affect, Tayabide, we is page 183, Para addition, and Transfordiers, page 183, and Appendix), inclines will more to the belief, that is, some instances it is not depending so inflatomation; this supposition is Seembed upon the facts, that around the softened parts there are no traces of inflatomation, and the submession layer is equally noticeed and dominate of all inflatomation; approximate. He thinks, after the restriction of Dr. Carentell on this subject, that it is doubtful law for chemical changes may take place in this membrane during life. — Cov.a.s.

DEDVEN WITH SOTTERISM

camiforable, extending in his cases on the time men, while in religion in was enlarged in time without an arteful architecture of situation. In all, it was convend to a namideal de events by the firer, which was either larger than count or cle the working below its sound finite ; so that we more almost accessarily adnot that the lives exprises a certain influence over the influeunting of the moesas mendooss of the amount when hosted rules mission nuclees," Having nous admitted the influence, it would be easy to understand usin women, who we subject in entergement of the layer or much more frequently than men, should be proportionally liable to this professiar from of inflammation.

When we cause to the description of the symptoms, we shall find that in many pitterns the origin of the effectionnight he dated one, two, or even three month before death; that is, at a period less runner than in the previous case (SEE)

See A .- Retire with allowing at the Masses Measure being the great Cultiprity of the street,

Pd. This alignation was present in surround out of the nine ty-six cases we are analysing. The minori mindows afficient by it was usually of a dell red color, amortimor a little thick maed, and so soft that it would not have removal in strips of avethe smallest dimensions (Obs. 14, 15, 10). Though rarely confined to the neighborhood of the nanthe enfort, the training generally extended either over the whole or a counterable

^{*} This conclusion of our rather is the rerestor importably compact the state of the more analysis and that of the glands stracked in them, and he must affect that the explane of this pathologist are the from heing proved, - Gow a.m.

part of the great cub-de-rac. The semainder of the membrane was either healthy, or with an uneven, manifested appearance and of a greyish or pink color. There were occasionally small observations on it.

93. This morbid condition of the atomach was very rurely accompanied by sharacteristic symptoms, but it was of too definite a character to admit of any doubt as to its nature. For intense redness combined with softening and sometimes incremed thickness, could only be the result of inflammation; and the absence of symptoms in the majority of instances would favor the idea that this inflammation was developed towards the close of life, as it is often the case with that of the pulmonary purenchyma and pleure. Doubtless, and we shall have occasion to repeat the remark, weakness does not preverse the manifestation of the majority of the pathogremonic symptoms, but it sometimes modifies their expression and decreams their number." Thus the pain which accompanies softening and diminished thickness of the mucous membrane of the stomach sometimes disappears several days before death; also pneumous occurring to the last periods of puthisis is seldom accompanied by the yellow, nust-colored, viscous, semi-transparent expectoration; and frequently it is quite

The author night have have remarked that weakness was only one of the engage by which the absence or superiors muniferation of apoptoms single be explained,— the presence of smother disease is an important conadventure, expectably in this cases, where its involuted influence through the system exists extensive disturbances of all the functions. The instances are numerous where field diseasement symptoms have directed the attentual to some other effection. Greekenh and extensive diseases may be exact as examples. The obsence of symptoms in this particular condition of the tressach depends no feeds in a great measure on the swareier surface being, above effects.— Cawa 8

latent. We might make the same remark in regard to plenricy. Now what takes place in inflammation of the substance of the lung and pleasus may and would naturally happen in that of the mucous membrane of the nominh; an additional motive for considering the morbid alteration we have been describing as resulting from an inflammation developed but a short time before startle. Surely no one will link upon this reduces and solvering as a nose post mattern phenometer; for the stagnation of blood does not produce actioning of our tissues, and we cannot suppose an identical mechid change to arms from two causes so wholly different from each other.*

Sec. 5.—The manifested appearance and project robin of the Massers Membrane of the Stemach.

94. We have observed this appearance eightoen sines, onaccompanied by the alterations we have just described; the
mucous membrane, instead of its matural, uniform and relvetlike surface, presented preminences of different forms and
damentions, generally rounded, from one to two lines in distaeter, resembling the fleshy granulations of nounde, and occaaionally separated by deep finances of variable length, and a
line or rather less in breadth. It was atmost atways of a greyish color, which was frequently mingled with a pale red time.
In some instances we have fiscal it firmer and chicker than
autural. It sometimes presented a few small observation,
which did not always involve complete destruction of the
membrane.

^{*}We have already expressed one opinion on the torus of the pressing.

Softening may analysishedly take place union both them conditions.—

Cowax.—Softening unionblody sumations comes in stay distribute but then it is not visually by stagmans of the bank, but by the greater jump.

And I distribute whether even Conwell thinks that sudans with anylowing somes on after death.—III, I. II.

95. This maniflated aspect exhord in very opposite conditions whether the stomach was contracted or not. On this account it could not be autiliated to mechanical causes, and recollecting the deminibed thickness of the membrane forming the factors of which we have spoken, its ulcerations, as ocenimal partial thickening and about constantly abored color, we cannot but consider it as a perhotogical effect. A similar state of things, to which we may also aid the maniflated appearance, existing in cases where there is evident inflammation of the nucces simulating of the stomach, (as for instance when the naturior surface is alone affected) seems to infirate the inflammacry origin of the alteration we are describing; and, doubtless, judging from the absence or indistinctness of the symptoms (339) and from the greyida color of the membrane so frequent in chronic inflammation and round intentinal afcerations, we may conclude its progress to large been slow.

Suc. 6. - Cleanisms of the Morrors Membrane of the Steamh.

96. We have remarked them in a tentith part of the cases; they were generally small, few in number, and accompanied with some other morbid same of the nuccess membrane; twice only there was absence of all complication. In one of those a single electricise existed of two inches and a half of number (Obs. 38). In the other the electricises were small, but eighty in number (Obs. 30). In all, with one exception, the macous membrane retained momentately around the electrations the same electrons, consistence and color which it presented characters, so that they gave the impression of artificial formation. The exception mentioned, occurred in an iminimization who had, near the pylonus, an electrons with aversail

edges, formed by the red, soft, and thickened mucous memhrane, the subjected layers being moved.

The submuctors times, which formed the bossom of the electrations, was occasionally thickness; but it was only in the instance where one large ulceration caused, that it was partially destroyed.

When the electricate mean transcompound by my other morbid change of the more membrane, we may conclude, from the binary of the symptoms, that they dated from a period considerably amentor to the death of the patient (336),

San, T. - San older Market Champs of the Garrie Museus Manhyon,

- 97. In six cases, where there was no abtration of comistence or thickness, it was more or less red throughout its whole extent. This reduces disappeared after two or three hours of traceration. In many measures, symptoms of gamitic case on two or three days before death (Obs. 2); rendering it probable that this sense of the membrane was produced by recentand slight inflammation.
- 98. We have four times outs the nuccess membrane extremely softened as the gratter part of the superior extremely of the stomach, without my alteration of roles and commence, or any evident symptoms of gastriis.
- 99. In one patient who died on the day of his arrival as the hospital, the muccos membrane presented seven large elevations, manly equally deposed over its surface, from two to three lases wide and two laws legle. Adjusting them the membrane was slightly red, of good communer, and about one line thick. One inch below the cardiac strikes the membrane was slightly prominent and mixed for about on such as excess by a blaish white fluid, either voccous, very imperfectly

soluble in water, and contained in a number of small cells developed in the submucour tissue.

100. Lastly, of two phthisical patients, we have found in one a kind of cicatrization of the sources membrane of the stomach; in the other, the transformation of a small portion of the muscular traic into a cartilegious structure; a very rare alteration, and which we shall carefully describe when treating of the symptoms (Obs. 21, 22).

On someting up what has preceded, we have found in marty-six cases, where we have attentively examined and described the mucous membrane of the storach, that it was

Thinstil and saftened,	20				19	innes,
Red and occasionally this	ckene	i me	nilia	ed or		
softened on its autorio						
Solicised, and of a dell	red co	olor in	the.	gonat		
cul-de-min, ,					17	ш
Mamilhood, of a greyob	color,	HOCTH	time	red-		
dish, thickened, &c.,					19	11.
Clearated, without other	morti	d chi	nge,	2	2	(A)
Softened, but of materal of	color a	nil es	emit	nce,	4	+
Of a variably intents to						
whole surface, with				and		
contistency,		-	12.	-	6	44
Raised up by a viscous I	hiid, 8	cc.,	10	- 4	1	· ii
Apparently cicatrized,	2		00	- 4	1	
Total, ,					77	

This result is equivalent to saying that the muccos membrane was only in a state approaching to perfect health, sincteen times; or in a fifth part of the cases."

[&]quot; Amiral says in two fifths. -- Coman.

IN PATHEMEN WHEN DEED OF OTHER CHROSEC DOUGARD.

101. The morbid changes we have just described are not peculiar to phthein; we have seen them resolving from other choose diseases, but in different proportion. In nivery-four individuals who deal from unions elemnic affections, the nuccous membrane of the stomach was

Thinsed and rolleard,	61	6 times,	
Red, and with slightly marked inequalities on			
its anterior surfaces,	2	12	
Suftered, and of a shall brown in this great cul-			
de-rac,	6	11	
Variably red over its whole extent, but not			
seffened,	tH.		
Mamiliated, greyish, semerimes thickened or			
ulcerated,	16	-	
Total,	49		

That is, it was more or less affected in one half, whilst, in phthesis this took place in four falls. It may also be noticed, that while in phtheseal patients the most considerable methid change, was, softening, with demolshed considerable methid change, was, softening, with demolshed considerable methid change, was, softening, with demolshed considerable and sometimes destruction of the macross membrane was the case in those unto died from other diseases; so that it follows, from this comparison of facts, that phthese is a positiopoing cause to inflammation of the nuceus membrane of the momarh, and that in its most interms forms.

ARTICLE III.

BEYODZAUH.

102. It soldess devised from a state of health. Its uncessar sumbrane was sometimes of a rose color; it occurionally presented a greyish tint, owing to an inflatiode of small, black points, thickly dispersed over its surface. The miscous folliels were frequently very apparent, doubted or tripled in volume, but not alread in their structure. In three cases out of sixty, alternations were present. They were from a line to a fine and half in brendth, and in two-of the cases of a pale color, and four three to ten in number (Ohn 9). In the third instance, some of them were from two to four lines wide; their bottom blackish, and formed, as is the preceding cases, by the slightly thickened solutions of coloir tissue. The miscous membrane around them presented nothing worth noticing.

In both cases, where the oldernicus were very small, there were some not less minute cysts in the liver, containing a greenish and pulpy substance; but no consexion could be traced between the grey and pick color of the duoletal ancesses membrane, the culargement of the nursus follieles, and the farty degeneration of the liver.*

[&]quot;This would of our mater's ideorements ratio forth the tre of M. Houseste, who motivally conver list communication of M. Loui's overatery, by eating in specime his negative, — p. Etemen, page 541). Learning lines, ever, M. Economic, tree would remark, that the relative state of the lever and dooders mought not to be serejlocked. Lucinoc styr, (page 288), "I have been but a few well marked instances of inflammation of this infection; I have frequently found the chooleans very red when the layer was upund,

Chap. 3.] SWALL OFFERTINE; STS BEALTHY STRUCTURE. 73

Once only have we found a filtered turner similar to those of the sterus, and of the size of a hazal-out, in the numerical post of the deaderson.

IN PAYMENTS WHO DIED BY STREET CHROTIC STREATS.

Examined after other chronic affections, the condition of this intention was nearly the cause as after photons, out of many-five cases, we have observed but one of observation.

ARTICLE IV.

SMALL INTESTINES.

163. Before describing the different beions of the small intention, we think it maid to fix the attention for a exement on its aucous membrane, and to point out a possibility of structure generally overlooked, but which is always present in a state of health.

and the fifty disequalities in the latter process, when the development was pair." We try, however, dotte pract that this epidence will real faths with certain infinitely, who say that if we execut discrete inflammation (where it neglit to have existed, according to these livery, that it must flore, but has disappeared. Matter of fact people in not pretent to such divinction. — Coware.

'There is a close study between many of the seamete unit in this article and more of M. Helicel, in his work On the type-conservated Affaceurs Alesdoran. Without whiching testers important to this portion of our indicately, which is, in part, a more confirmation of which is aready known, we will measure that our resure had been extracted to M. Chomist second mustbe persons to the publication of the above work; and inseed of compouning part of our remains, we have purposes; left them maximum, as in admirtal poor that accurate observation processing leads to the same results — Logica.

Suc. 1. = 0f the Mucros Membrane of the Smill Introduce in an healthy state.

104. In this condition the parieties of this innerting are very thin, semi-transparent; allowing us, when suspending these over the extremities of the fargers, to detect the small inequalities on the skin.

However, in this inconsiderable thickness are comprised the success, namerica and peritoneal costs, united by a small quantity of collular riseas. Whenever either of these layers is in any way altered, the semi-transparency disappears.

The muceus monthsme is maturally rather thicker in the jejanum than in the ileum, where it may be compared in this respect to a short of Idonius paper.

103. If we slightly datach it with the scalpel, after making an archion," and then acion it with the extremity of the fingers or forceps, we can tear off fragments from fixe to ten lines long. This experiment is sufficient to indicate the natural framess of the nuccous membrane; and whenever similar fragments cannot be obtained with the same precautions, we may consider it as deviating more or loss from the healthy state.

106. The million structure of this membrane is interrupted at unequal distances, by oval patches of very variable dimensions. They may be observed in the three lawer fourths, and sometimes throughout the whole of the investion. From twenty to thirty, and occasionally more, may be counted. Signated on the side of the intention, opposite to the mesensery, they are from one so four inches in length, by eight or

^{*}This mode of rosing a strip of traces is marked in titry fieldy, and not paresed by Louis of present. See Appendix to Translation of Phirre Typholds, yel 1 page 200. — H. I. B.

they approach the cerum; they are very dightly elevated, though sensible both to the eight and touch, and have two, three, or four times the thickness of the conventing moreus membrane. They are completely opener, of a white or greyish evier, and are conceined marked with small blue points. They do not effect the villam surface of the rest of the intention, but present a great number of white or yellowish granulations, usualler than miller scale. After detailing those glandatar packets with the presentant arounty described, the granulation are equally visible to these officers anticer; and on regarding them between the light and the eye, their intensition appears this and armicular parent, very similar to the other portions of the muscom membrane.

- 107. This structure, which is not always easily demonstralile, in certain pathological states of the membrane becomes most fistiset; as, for instance, when it assumes a deep red color, in corresponder of an affection of the heart. Then, indeed, the granulated backing badies already described retain their annually white and yellowish color, and, contrasted with the red and arjected state of their materities, are most distinctly stable. Then the purches assume than two approximate, viz., that of a collection of small hodies, no doubt ghadular, in the substance of the numerous numberone.
- 108. The blue-colored spate to frequently observed upon the patches are the content of the gland-like generalizines. At least, judging from what takes place in certain publishingled cases, this appears highly publishe, for when these bodies are greatly developed, the blue points are replaced by distinct uponings, usually equaling in star the count volume of the gland itself.
- 109. The general appearance of these patches is subject to variation, from differences in the arrangement of the crypta-

If these are confluent, the intentions on which their distinctness depended become obliterated; but the patches are not, on this account, less easily recognised, their color, equality and elevation distinguishing these from the surrounding emocountrendrator.

- 110. They differ also in the ilean and jejimum, where they incompe the valvala consistence, and have themselves a depressed appearance, from the contraced elevation of the valves; they have as areolated surface, and present nearly the aspect of a piece of lace which has been usualed. But since in the ilean they are white or greyish, opaque, and less interrupted by the valves, they are, on the whole, some early duringuished in the upper than the lower person of the intertine. The preclated superior mentioned above is rarely observed in the ileans.
- 411. The whitish-colored, isolated granulations, almost constrainly seen near the termination of the ileum, undersents the muccus membrane, are liable so the same morbid changes as the patches, depending upon similar circumstances for their greater or loss distinctness; their glandular maters is equally probable.
- 110. Although the dimensions of the patches increase in they appeared the encurs, it is not uncommon to find smaller cores interspected with the larger. Their form, when this is the case, is more circular than oval. Near the excuss they me very manurous, and frequently occupy the whole excussference of the intention:
- 113. They are only partially affected by the pathological state of the mucous membrane which surrounds them.* We

At this assertion of what furth have demanderated, M. Broussia makes the following energetic appeal in behalf of his infringed laws. * It is im-

have already remarked, that where it was intensely red in comequence of disease of the heart, the color of the glands transmittal. When it tran thickened, no charge took place is the dimensions of the patches, and their elevated appearance had enter riminated or disappeared. In certain cases, as in typhus fever, for example, in which the mucous mearhrane was frequently builting, that covering the patches was groule thickened; the glands were cularged and the onlices open. At fast their structure was readered more distinct; they man, honorry, gradually soluted, and while the subpoint orbida timor daily incremed in thickness, they obserand, and more at lost complorely domoged. We can now. understand why the electronism in typhus ferry are nyal or elliptical in their from ; why they are found in the part of the intestine opposite to the sursenery, and why they almost incanaldy exist in the lower portion of the deum. These paticles are also most frequently the test of observations in plalistic.* They are often exclusively so, the mercon menbrane around them remaining probertly healthy. Larsly, it is

possible and in despen the author's (M. Louis's) projective (possession); along it has deep a control by many, and the top exteriors, during recently server years, then the reflectionary of the authors constrained of the mail liquidate (arthurs) the authors may be provided in all the little of " (Extenses Ned pays 201). It is most interferable that faith their interest. But they are included "attribute things " only the regression, we conduct that they governed a half of colors and and recorded discovering here were replaced to the provided discovering here were replaced to the regression of the colors and the representations of Commun.

^{*} The attenues of the agrammed glands, in more of proteined plans and philine, may, we thank, atmost density the quantum, whether they are notes consequently or conser of the possible symptoms of the beauty ".— Comme.

in their centre that the perforations of the small intestines in acute diseases take place.*

Stu. 2 - Pathology of the Small Intention.

\$14. The lesions were numerous; comisting of softening, thickening, redness of the amount membrane, small submucous

* Valor Alcourse our lie Professions of Printesian Grobs, — Recherches our Princeres Mahishia, page 108, who Typhus Press, vol. it shapes on Parforation of the Small Associate. Though the perfection of the small interior, share our author's associates, has attracted very general altertion, and has been specially studied by Meson. Stokes and Groves, at Duklin, a summary of M. Louis's results may not be unsecreptable to the reader.

He thinks that we may regard the perforation of the small intestine as periods, when in the course of an again docust, and under sweaported tire cumstacos, the prismi is attacked with a midea and rislent pain in the ablimm, which is incremed by pressure, accompanied by a great change in the appearance of the gazient, and appearable by names and combing. He inside strongly on the aggreeation of the pole by pressure, and its repoid enforcing over the eldingers, as means of diagnosis. We conclude that performion has taken place in the small interiors eather than as may other purtion of the digretten tube, Sections in neale-diseases the former is incomparably the most frequent. In our himolroit and fifty cases of philass it only account eaty. In one hundred and sixty cases of other change diseases, his justances were absorpted. In some rive annuality the exceptions low working, when the diagrams is of reason traposolities. Probabilists are, perhim, more frequent than we generally employe. Out of fear landered and Lify post morteon there were treesly two rases of perforation , sine of the small interface; eight of the large; two of successful larger; one of inshibusinal eyet; saw of an hyperin choose. The examples of perforated stomach in chemic gantificare namenus. Vide Dr. Abertrauble on Abdismissil (Michiga).

Dr. Soker, of Dubbn. his proposed a mode of treatment in cases of perfection, and in many offer disconstances where there is rapid pentrulen of the vital powers, consisting in large and frequently aspected diseased opining; the evidence address in its first stoughty entitle is to the practices says attention. Vide Dubbin and Madical Journal, May, 1832. No. 2.— Cowar. absonses, semi-eartilaginous or rubirculain granulations and tilogranious.

115. The softening of the mucus membrane was not more common in philips then in other chronic diseases. Out of ninety-five cases, we have only met it eight times, and in three of them it was inconsiderable. In five others, the membrane was reduced to the continuous of mucus—(Ohr. 22, 32.) In all of these the solinsing occupied the whole of the intention. In three cases it was associated with considerable thickening and reduces; most evidently in these circumstances resulting from inflammation. In a fourth, three was thickening without reduces. We have only once found it evidently thickened, where it was neither red are solicined (Ohn. 19).

In thirteen cases it was some or less red, while no obtenation of consistences or thickness was observable (Ohs. 28, 39). Among five of these the reduces was universal; while in others it was confined to a funited partion; usually the last two fort (Ohs. 41, 47). The narrowest vessels were never leaded with blood; so that the reduce probably most frequently depended on asses other cause than simple congestion.*

116. The generations were, as we have before remarked, of two kinds. They constitutes presented all the characters of inherculous matter; in others they were much burder and whiter, offering almost the farmiers and aspect of carriage. The volume of both was incomiderable; on the average that of a middle-sized yes, but most frequently smaller: they were

^{*} Lawrence, (page 1995), says that miscouse manufecture frost alleges to generally pales. Andreal (Clim. Med. rol. at. page 205) has found in pale in about me fifth of all his cases. — Cowners.

developed hencuth the muccous membrane, and almost invariably accompanied by iderration. The mai-cartillaginess granwlations (Obs. 13, 29, 35), were is general much more numerous than the others; topetimes they were dispersed through the whole of the intestine, with intervals varying from one to three inches. When they universally present, they increased in number and size as they approached the cucum. At other times they were much more numerous near the discdenum and in the upper third of the intestine than in that immediately succeeding, and they were wanting in the latter. When small they had scarcely the volume of a small pin's head, were slightly adherent to the cellular layer, and the narcous membrane surrounding them was perfectly healthy. When about the size of a pea, the membrane was generally more or less red, thickesed and softened, or even destroyed, it the point of contact. The granulations themselves then began to decrease in size, and the loss of substance continued outil their complete destruction, leaving the edges of the oloration industed, white and opeque; retaining almost exactly the characters of the numer to which they succeeded; thus pointing out the unuse of their cause. The semi-cardlaginous granulations more sometimes seated upon the patcher, but more frequently in their intervals. They were equally distributed over the circumference of the intestine. We have only remarked them immediately undements the mucousmembrane; they never occupied the interstices of the muscular fittees, which induces us to think that they are simply the morbid development of the maciparous glands, as the situation of the latter completely coincides with those just described.

117. We have never found references granulations equally numerous with those just described when they existed in large quantities. There were also situated wither round the observations, in their renting or in the interstees of the necessary filters; between these and the pentennous? upon patches, or in their intersals; and over about constantly over numerous most the encoun than abundant (Ohn, 6, 8, 12, 15, 21, 27, &c). We have accordant them near the dandersons.

Three productors were revenied by small describing product by the contemporaries are talescolor extensions of the longe. The intercolors matter graining softened, and the morror termbone was proportionably red, thickened and softened in the corresponding paint; or it was described, and the content of the absence were coupled on the intercial nation, so that administrate of the mason membrane was here an either and not a conse of tubereles.

- 118. We have never men infraendom manie imapping the intention manner nembers under any other form than that of granulations.
- 119. Either repartitly or crojered, there two species of generalized exacted in the system, cut of the sinety-live cases already surmaned; and in six of them they must of a semi-runifoguirum turnium, which is much less impeculty observed than the other kind.
- 120. Electricism were still more remover, and an this account moved very often increased with other had of granulation. We have removed there is different propertions at severity-right increases, making their more time to a as frequent as granulations, being present in searly flee matter

^{*} The effective is the first black of the price that they decopy effected theretoe for an

of the cases." This proposion is eather different from that of Bayle, who has not this alteration in only the sixty-seven handrealths. This difference, however, ought not to cause may doubt as to our own accuracy; we have probably employed more time in properly cleaning the small intentine, and in semipulosely examining it throughout its whole extent; in this way the smallest identations, which can only be detected when the amount membrane is well washed, would not have been overlooked; and to this more than to any other cause our difference may, we think, he attributed.

191. With some few exceptions, the number, dimensions, and depths of the observations, increased as they approached the encurs. Supposing the small interime to be divided into three equal portions, in the majority of cases observations only existed in the lower third, or in this and the middle third. It was much less common to find them occupying the whole of the intention. This was, however, the case in rather more thus one sixth of the examples; in only three instances have we seen observations confined to the middle third.

192. When small, they were almost exclusively situated opposite the measurery, is points corresponding to the againment glands or parelies, which were themselves destroyed. In their maximum of development they occupied the whole eigennference of the interante.

Their dimensions streed from a line to free or six inches in superficies. Occasionally the same individual presented several of the target alceracions (Oto. 4), while in others the smaller were alone present, or those was only a single ofcer (Oto. 43).

tasted, j Clin., Mid. vol. at. page 125), out of all the phthaired patients success the world of M. Levalnice during few years, found the intestance months and little only. — Crew AS.

- 183. Their form for the most part, primari am their original and our as variable as their names on. When made they were remitted, as are those ottach and from the arthrough the promittions. When of motion size they proceed the offspical forms of the patcher, whose standard they manifold and this apparatuse was the most small. Next to this, the nicealar from prodominant (Ohn, At, An, An, Ah). The financy was the most unforquent; we have, however, seen a in own instruces, and almost always in the approximate of the attentions; is these cases the alessation was from an inch to so inch and a half in heigh, and a line and a half in boughly approximate towards the extraorities.
- 121. The color of these alcorations was as variable or their other properties. Usually which when small, they were often of a grey color mingled with red, when their dimensions were more or less considerable. Sometimes also and this po-culiarity was almost confused to the formery alcoration, they were of a blackish or radials brown roles.
- duration. When small, and, doubter, recent, the denoted subsuccess scillate some was digledy (bickered) which, and no orbital alteration of the noncular bear no observable. When larger these report was been uniform, some presented an marquid unifore, formed by the more or less thickness other material submaters, an trace of the latter extincular but the excluder layer was alternately thin or thick, parally, or own which presents in income or less thickness, and interpreted at trace of the interpreted of a preyor or which eater, and interpreted at times with indications granulations. This increased thickness was often conjusted with partial thinning of the interpreted with near the conjusted with partial thinning of the interpreted was often conjusted with partial thinning of the interplants. In complete description was

much bee frequently observed; so that is proportion as any one of the tienner, entering into the formation of the intertional parieties, was demailed, it become concentrat thinkened and finally ulcorated.

126. The large alcutations were frequently the small of the junction of smaller ones; a fast easily demonstrated when the latter were summerous and situated upon the partiess. There might then be observed softened inheredes, with small circular alcutations separated by come or partially destroyed hands. In others, no remains of these divisions remained, the cellular annelscape was completely decoded, more or feas stickneed, and promoted small, cound-shaped deprecious of variable depth, corresponding rethous doubt to the partial decerations just described. Londy, in a shird division of similarly formed observable, and the suscellar case denoted, aneven and thickneys.

The following case families: an example of most of the preceding alterations.

POURTH DRSERVATION.

A mouse pointer, aged 62, amend the hospital of La Charité, July 23th, 1824, and died on the first of August following. Born of healthy parents, and himself of naturally thin, spare habit, dated his illustrated distribute five anoths previously. The latter had been violent, examing at first twenty, or a still greater number of study in the twenty-four hours; these were frequently accompanied by violent colle; cough had been primar from the middle of the forch month. Since then the aphoule had been more or her complete, and be completed of a cone of dryans in the beyon. Distinction of appear of more from the commercement; the associated school property interested; and, after the final month, the angle resolutedly matinal month. That, argen from the thad month. Had expendently to eight days properties his entraces into the temperal; or the eight days properties his entraces into the temperal; or acceptant from the day.

On the 25th of July, given debuty; an image, and a breathing, eagledy are branch, cough, including frequent, expertoration, pretty abundant, upages, growing, and unional, and with regard refers (dischipment). Perconnect class could mache alterpiracion under the left clavicles; comes and money under the right, but without any graphing (gargonidestrat). Apprexist, skin, read; pulse, color. Tempor, rather puts than otherwise, ready natural; no appeared white the doglaritors, rather difficulty received mans of apprentic in approximate, there happed mode.

On the 31st, or the time of the time product dange in featurer, expression of unanisted and suffering computed by a abdomen very body of natural form and volume. For the natboardard experienced sense pairs in the region of the got ablatder, greatly increased by pressure. The stools had become very frequence, and the pulse and headling smeit accadental.

The same symposes removed during the day, and the parient expired in law the next moving.

Opening of the corpor tweety-eight boom after death.

Expression. — Express constitution.

Heart - A good should infinitely the tempts the upper purtion of academist three apparation of along arminy in each latterd yearricle. One in the lower occipital fosse. The separat localism very time and disconded by the same fluid which exerted in the middle ventricle; in all about a deather. Gerebral substance maderately injected.

Need.—The infinier half of the largegeal surface of the epiglottis was slightly injected, and had some superficial infectations. A very small one was found at the junction of the veral cooks. The miscous stemfrance of the tracker was red without other alternation.

Course. — The left long, which was adherent to the costal and displacinguatic plants by an abundant cellular rissue, was conjected as its lune, and presented in its sumstit a middle-nized subcreation executation, nearly empty. Its parietes were not lived by a false numbrane, but principally composed of tu-bucks, granulations, and a grey substance approaching toblack, which was abundantly scattered throughout the renainder of the upper lone. The same alteration, though less numerous, were found in the lower lone. There was no covery in the right lang, but a small remoter of tubercles or granulations with some adherious. On the same side the broachin were of a pale pink color; on the loft, where they freely communicated with the exceptation, they were of a very dark rod. The broaching glands were not subseculous; heart, sound; nortic valves, rather sense and thickened on their free edges.

Anneaux. — A little limpid, reddish-colored serosity in the lumbar regions; a large glass full of thick, yellow-colored inodorous pus between the bladder and metrus. No where any trace of false membrane. The mucous membrane of the seasaich was very thin, almost transparent, and as not as mucos in the upper postion of the great cul-de-site, where the subjuggest seniels were of a brownish color and much cularged, Elsewhere it was greyish, more or less mismilisted, of normal thickness and consistence. Nothing commicable in the dualessons. The small imposing was rather larger than arrural, effering expansify many grey, blush-coined spots, and containing where quantity of unlish, reddish, and medicately think deal. Supposing it divided into five repaid parts, the process meanhence was healthy in the first and time. In the remainder, there more numerous alcorations, should all franted parallel to the direction of the valends consistences. The largest more in the come of the measure, increasing the whole of its risconference, and buring the muscular cont expused. Two among them presented a superficies of from four to six inclus; they were gregish colored and suggest. The unsenfar cont in the same point was three quarters of a time think, its fareswere more brittle and less Benible than natural. Above and below this portion of the gut, alexandous existed, (not complete) ly encircling the intentine), whose adapt were thick, but whore centres were very thin, so that the manular cost assured out obliquely. The bosom of arrend commend wholly of pointneurs, which was night amoranic decorgod, and perforation had taken place in two spots. Bound one of these perforttions the serous membrane was of a total red color, for the space of four or five lines, exceedingly this, and in all respects warmbling those purforming which rule place to acomdiseases. Around the other it was of summal culor and houattenued, as if either the made of tening, (though the greatest percuntions were coupleyed), than at any other came. The contents of the targe intentine were similar to share of the small. The moretar cost was decoded in the whole riconsference of the careen, and for about seven inches of the according rolor. It was of grey to actor, with partial test incomplexable from all exhauster, and one lawthick. Below thin, even to the middle of the transcene color,

there were other very extensive observations, exactly smaller to the one described, leaving the interrence macors resolvene healthy. This test was pale and slightly softened in the descending colon and recume. The greater part of the severatesic glands were much increased to volume and transformed into taberculous neutrer. Some image shem presented, conjoined with this, variably sized manues, of a white, equipe, shiring and resisting substance, in every respect cancerous. The other ability real viscous were healthy.

137. Notoithetending the very careful examination of the isteronal tube, and although one of the perforations exactly coincided in its symptoms and pathological characters with wint takes place in the best observed and described acute case of this description, we cannot in the persent issuance suppose it to have existed during life. It is true that as agents print our falt in the region of the gall-blidder twentyfour hours before death; the pulse became accelerated, the abdones was fort, and a quantity of pur was found in the peritornal cavity, he a word, there was peritoritis. But the pur was without odor, of natural color, and had none of those properties which accompany perforation of the small intestine. (properties to marked in respect to odor and color, that they are almost sufficient of themselves to indicate perforation); there was not the slighest trace of the turbid, diety-colored fluid of the small intestine in the peritoncal carrier; so that this individual fact seems rather an example of one of those cases of personitis which come on in the last stage of phthiris-(188), than true perforation of the intesting. As all events, this observation is extremely interesting, from the number and extent of the ofccusions in both intestines; from the thickened state of the corresponding nuncular coat; from its diminished thickness and complete demuscion in the centre of others, with exposure of the periconcurs and perforation, either actually arrived, or on the verge of taking places.

Let us also take notice that there were no inherculous granulations in the substance of the miscular cont. Were this more frequently the case it is probable that its entire destruction and peritonneal perforation would be less carely observed. But, so we have already considered (145), mercular fibres, instead of following the dummerous of the miscular cellular membranes, because gradually thicker, only judding after a greater or less space of time, and then in comparatively few instances.

125. The parts immediately surrounding the alcerations were concluses on their nearl level, but in general were more or loss raised. When the alcerations were small and circular, the mineral and cellular tenies forming their edges were very slightly dickened. If they resulted from the tennerantilegi-nous granulations, the telges were think proportionally to the progress the latter had made. When large and still recent, the submicross layer not being destroyed, their encanference was paged and of variable thickness, uning in many cases from the presence of a certain number of softened tabencles. In general, the automorphing miscous membrane was more or less red and softened.

Besides the preceding aberations, there were occasionally minute abscesses, of the dimensions of a pea, formed in the submovour collular tissue. These were assumines present when neither observations nor referencess granulations existed in the small intesting. Their parieties were at times associal, so that they seemed rather the result of phlegonosous inflammation thus of softened tabercle. It is proper, however, to observe, that we have scarcely found them except in phthicial patients; and in the two instances where they existed after other diseases, their contents were composed of a very treacious, yellowish, and temi-transparent substance.

199. When the small intentine was healthy, or presented very few method changes, it committed a variable quantity of nature, of different color and committee, and nometimes it was united with blood. When, however, the ofcerations were large and natureous, instead of nation, there was a turbid, dirty, red-colored or greyish fluid of variable consistence, very similar to what we have described in the last observation; in laid strong order, much resembling that of animal substances in measuration (Obs. 14).

IN PATIENTS WHO MEN OF OTHER PERSONS.

130. Many of the escribid alternations now described, at the softening, thirlosning, redness of the mecous membrane and semi-canilaginous granulations, and common to phthisis and to a great number of other chronic and acute affections; but the semi-cartilaginous granulations are more frequent in phthisisthan in any other circonstruces. The inherculous granulations and ulcerations appear populiar to this disease. We have never remarked the former except in phthisis; and if it is not vigorously correct to say that alterations of the small intestine are exclusively found in this affection, exceptions are an rare that the proposition is almost literally true. Out of eighty-five cases, consisting of various chronic affections, we have only met six where the small intertine was accepted. Three among these were in individuals talone lungs offered either tehercles or inherculous executions. Among the three others, one was that of a woman whose principal afficetion was gastritis; the other two were cases of dysentery. In the shoet instances the alterations were small and few in number; so that, if every kind of alteration of the small instance is not also havely permitte to plantist, are may manifer the autotion cornect for alters of a consistency for we are interestly referring to charact diseases, and not including typics force.*

ARTICLE V.

LABOR DOTHERS.

- 13). With the exception of the conjectual granular tions, this postion of the intertinal sand preserved become similar to those we have just described. We shall, therefore, only insist on their possiliarities.
- 132. The whole of the mucron membrane was real, in twenty-seven out of the ninety-two name we are remidering) that is, in rather more than one fourth. In twelve of these the reduces was interrupted; in fifteen it was continuous throughout; and, when this was the case, it was generally very intense. With three exceptions, it coincided with very morked softening of the nancous membrane, which was reduced to the consistence of mucros, and could only be removed in this form. It was often thickened, and more frequently elevated.

^{*} These dendition of a highly interacting notes, and are witness surject abundances, both his diagrams and treatment. In cover of chieses effections of the model interaction, one great object would be to decide excels procure or absence of pledate. In the latter wase, the procumption of this remote our names would greatly be provided, and greatly measure the possitiony of effections treatment. During the right power which have elapsed summing particulating of the work. M. Leuse has not assembled at single subject who first home a channel strategies and presented observations in the small interaction, in which has slid and tail debarter in the longs. Vide Ermore de E. Ermore, page 18. — Cowney.

133. Thickening was present even when the natural white color of the membrane was retained; but was then combined with softening and a certain number of alcerations.

In comparing this and the preceding pungraph, we perceive that the thickening of the mucous membrane of the large intentine was always united to some other alteration, and most smally to that of softening.

134. Softening was then very frequently person. It was observed not only in those cases where the muccus membrane was red and thickened, but even where it had preserved its natural color and thickeness. We have found it sixty-two times either occupying the totality, or a considerable part of the intentine.

In numerous intrasees the red and softened moesus membrave was more or less extensively manifested (Obs. 17); or it was more or less completely destroyed in immunicable minute portions, producing an undalated repect, sometimes through its whole extent. In two instruces it was destroyed over a surface of ten inches; and, in consequence of the slightly pink tinge of the selsparous tissue corresponding to this entemous loss of substance, it would, without great attention on our part, have escaped notice. Beyond the limits of this dostruction the cellular tissue tray not sensibly modified, and the mentrane may, perhaps, have been removed, simply by the friction occasioned by the passage of facal matter. This is rendered more probable from the fact that, in extreme states of softening of the mucous membrane of the colon, the passing of the back of a sealpel over it is sufficient to remove it entirely.

135. The cellular tissue was usually opaque in these cases; in thickness two, three, or four times greater than natural (Ohs. 17). In some cases, as we have mentioned (134), it was of a light rose color, while in the majority it retained in small whiteness.

This last fact appears very remarkable; for, as will terreafter be shown, the substaint of the empous membrane was,
in a great number of instances, an evident result of inflammation, which only dated a few days previous to the death of the
patient. The thickening of the substances colladar timus was
probably consecutive; it was terrainly of the same nature,
and yet it is difficult to imagine a membrane thickened by
recent and contemplation, maining in natural palarene.
The fact, with many others, shows that the the kness of our
tissues is one of the uses important circumstances in he societal,
and that to confine ourselves to the description of the color of
membranes wolves unclose, and uses a cause of error, to those
who might show conclusions from such imperfectly described
facts.

136. It may be arked, is the cause of this milening constantly the same? When united to reduce and thickening is can scarcely be shubted that it has an inflammancy origin. This is also probably the case when thickening cause alone, for paleness of inflamed structures takes place reserves been, as is exemplified in the various shades of color of largarized long.

But when suffering is present, tricheut any charge of color or thickness, is it then the effect of inflammation.) This, as it seems to us, is also far from impossible; but in the same time that it is no, is not incontestable, for many organs are frequently softened when we cannot suppose inflammation to have been present. Thus, in typius fover, and in many chronic discount, the heart is often softened and its color increased, nithout any assignable cause. The splean presents in numceous initiairces a state of extreme assuming, which we have no right to annihere to inflammation. On the other land, it ought to be noticed that continuous with a sed and softened portion of mucous membrane, we often find another equally softened, but without reduces. If the first, therefore, is inflammatory, it is probable that the other is so also; but it is a more probability, and fush facts are necessary to decide the question.

137. But at what degree of softening does disorganization take place | We are not opposited with any fact which can take this problem. In appears to us, however, infinitely probable, that very considerable softening may exist, without the affected tissues becoming disorganized;—the condition of the spheen in typins fover is very favorable to this opinion. In fact, in a certain number of individuals who have died after a very protracted form of this disease, we have found the spheen voluments and fitte ; and since its softening is an almost constant photomerous in typins, and that to an extreme degree, we must admit this this had taken place in some of the cours referred to, and, consequently, that the spheen had regained its consistence, and had not been disorganized.

138. When describing the symptoms further on (264), we shall first, as we have already pointed out (135), that the inflammation producing the pulpy softening of the autous membrane of the large intestine is developed only a few days before death, as in the case in inflammation of the pulmonary parentlyma, the plents, and the mucous membrane of the stomach.

139. There were thinteen examples of inferculous grounletions; (that is, they existed in about one-eighth of the cases). There were situated either in the centre or eicomference of the elecentions, and not in their intervals. We have never observed the semi-certilegious granulations.

140. Uterations were frequent. They were present in severty cases, which makes them nearly as removed here as in the small intestine; and once adming of the material membrane after existed without alteration, we have personally very rarely found this assurbane profettly healthy in its whole extent. It was so only these times.

141. Usually the alterations were small, from three to fix lines, or less, in diameter. The largest, (and we have already sees how considerable their distrations more occasionally), formed only about one fourth of the cases. The smaller, in ten cases, were almost uniformly distributed throughout the whole of the intestine. Whre zero considerable, (one or two inches, or rather more in serface), this was the case it only one issuace. In other examples, the number of the ulcerations diminished from the encour to the assembleg colon, and from the transverse to the rection, in the ratio of seventeen, eleven, eight, fron. If we would now know the aggregate of rases in which ideorations were present is each division of the intentine, (including the until adorations), that respective figures for the execution, the according, transverse, descending color and meturn will be thirty-four, thuty-suren, twenty-fire, eight, thirty-two cases, that is, in an equal propertion of eases they me monly mostly cammon in the cream and roems. But here the multigy events; for the difference, as to the size and number of the alcontions, was very great (142).

When small, they were usually manded, with flattened edges, as if antificially produced. Their bottom was greyoli, approaching to black, rountimes but rarely of a parkeolor; this last time would have eften had us to overlook them, had we not been in the habit of sempulously mashing the intentine. They were lined by the cellular items, either thickened or much thinned, and in three instances only, by the healthy muscular cost; which latter disposition we have not yet observed in similarly sued ulcerations in the small intentine.

Instead of a rounded form, both the small and middle-sized ulcerations were to mediate much elongated, being from one to two inches in length by two or three lines wide; or even less. In direction, they were either transverse, longitudinal or oblique. These varieties of farm were tometimes all combined when the observations were monoscore and clustered together, and the intervening tracous membrane more or less thickened, the general aspect very much resembled the chapped integrances of the hand.

142. The form of the large ulcerations was irregular, induranted or radiated; aften attacking the whole eigenifercace of the cocount ascending, transverse color and rectors. They not only very frequently extended stand the cucum and ascending colon, but no adeer occupied longitudically a space of from eight to nine inches or more (Ohs. 4, 12). Now and then, in the midst of these immense obserations, there were zonce of intestine perfecily healthy, except a slight and partial activating of the mucous memberne; here and there were seen small insulated portions, formed by the more or less thickened fragments of the mucous and cellular tissues. The other divisions of intestine base in no instance presented alcerations of equal dimensions. The largest we have ever observed in the rectum, ware from an inch and a balf to two inches in length, escieting the gat, and situated immediately altere the assis.

Both the large and middle-sized electrations were of a greyish color. They were sometimes lined by the more or less thickened, indurated, and easily from sub-marine possibilities. This was much softened only point; must frequently it was destroyed, and the conscular membrane expired. This destroyed, and the conscular membrane expired. This destroyed mas almost invariably complete and universal or the large observations. The morniar layer under them exempetations was always thickened more than a line, and of a variably deep grey roles; its falors more more or loss brittle and indurated, forming preserved faccious, sometimes with talarculous granulations is their intentions, and presenting, in some points, a nonmembraness of decreations.

Examples accomed, where the insecus membrane and the occluber membrane under it were detached to a greater or less extent around the alexantens, or they formed elevations which connected the alexantens together.

143. When the observious near very large and numerous, and the muscular root extensively dennied, there was frequently as ofter similar to that from animal substances which have from some time in maceration. The free were reddish, turbid, and liquid, often resembling putty in color. A few days previous to death, the stoods sometimes presented a similar ofter and color. Were the identities few in number, of moderate size, and limited to the excess or consentement of the colon, the faces near often soft, dirty colored, and sometimes seasonal with blood in these parts; while in the section they were very dark, or of a beight yellow order. We must therefore conclude, that with some sure exceptions, it is impossible to appreciate the state of the meeous mumbrary of the large intestine; by means of the freed discharges, except in very rare cases.*

^{*} Dr. Abergrandie, in his valuable, work on Abdominal Exercise, assess at nearly seems remainded to the Area.

144. Inteniral alcountous were often, at least in their origin, independent of inflammation. This was evidently the case with a great number of show in the small intention; they were the result of softened tabendes; for the development of the latter could me be streibuted to inflammation, since so long to they remain unselfened, the macous membrane covering them continued buildey. Far from being the cause, the inflammation of the amount numberne was, as we have already seen (113), subsequent to the presence of the granulation. The name remark is equally applicable to some cases of alcountion of the large intension.

Where softened talescele could not be considered the carrer, it would still be difficult to regard observious as simply the effect of inflammation, which does not usually take place to isolated patches on a macous surface. Of this fact we have we think afforded a proof for the colon, when apeaking of the softening with reduces and thickening of its nurcous membrane, which almost invariably extends to its whole surface. As to the small intention, we will remark, that while distinct traces of inflammation are much less common than in the colon, its ulcontions are still more frequent; and that where inflammation appeared to be their cause, it had still a peculiar character, since the alexis are most generally limited to the patches.

These reflections are strengthened by what we have said respecting the extreme minutes of ulcerations of the small intention is all electric diseases except phthisis; while simple inflammation of the mirrors membrane is quite as frequently observed in one case as the other.*

[&]quot;These remarks are provided to our author, and nothing horse been, and the doubt will be, controlled, we street the treatment of the entounce in these faces, and the mode of rearroing adopted.— Coware.

OF PATHOLES WHEN THEN BY PURES, PROSESSED BY THE PARTY OF THE PARTY OF

145. With the exception of the reherealists granulerant, we have seen through in different proportions of the other alternature just described, in cases fand from a covery of other elevate diseases. Thus me of alternature, received to one of attention of the large intestine. But the most to one or attent parties of the large intestine. But the most to be indicated a greater or the large intestine. But the most to be indicated by reducing the number of some only of company published, reducing the number of some only of company of diseases, and in acardy all the observations were of small extent, and officially waying in character from these on heavy just described. Softening, with or relation reduces on third of the same, then is, much how frequently than in phthisis.

CHAPTER IV.

LUMPHATIC GLANDS

146. Tuesa were frequently related to american name or her red and accounted in relative temperaty of their substitute frequency of their substitute frequency of their substitute frequency of their substitute frequency of their substitute freedom, successed, misoscolic, corvical, tandar and axiliary glands. We do not emperate the benefitial glands, for although we recarried these who equal care, we have most frequently counted to now the results. We think, however, that we may necessare to affirm, or

the strength of later observations, that they are not offence tabercalous than those of the mesentery.

ARTICLE 1.

RESENTABLE CLASSIS.

147. Out of one landred and two cases, where they were carefully examined, they were taberealated in twesty-three. Thus modified, their relates was incremed. In the majority of instances the transformation was not general; it was only partial (Obs. 9, 15, 16, 31). In others, only mirate points, sinher in the centre or circumference of the gland, could be detected. These points were introspersed through a structure usually red, and less consistent than not-oral; in general the altered glands were aggregated in distinct groups.

All the mesenteric glassit were not equally affected. Those sourcest the execute trace most frequently modified; and in the twenty-three cases we are now examining, see have only once seen the affection universal—(Obs. 23). The transformation of each individual gland was hore complete; no trace of its primitive surveture remaining.

There was evidently not only production of a new times, but transformation of one structure into another; unless we would rather admit that the glandular times was removed in part at least by alteorption.*

148. We have only once found, in the centre of an incom-

^{*}The transformation of healthy into model attacture control we illink be satisfactually demonstrated by a single example. In physiology the probability-station of our timese follows certain lowe, and has northin limits — has model deposit seems always monthing more — something abloid, and not mapply a modification of what previously extend. If we might one our

pletely inhamilated incomience gland, a small parties of the grey semi-transparent substance. In all other states, the masolution was yelloweds, opaque, and really inherentian from the first moment it could be observed. This mode of the obopment of the tuberrulous matter differs from what Lamines considers to be the case in the lungs.

149. The suspensoric glands, when subscraidard, presented no other organic absention. We have only one remarked, conjoined with subscralous matter, a shiring, firm, grandous substances, very analogous to energiated matter—(Om. 1).*

150. The increment aborder were very rarely admired; a result to doubt depending on their being recent. This is at least probable, for, in the majority of cases, the development of inhomodous matter in the measurance glands seems gradual, and is almost always partial; it is remargnably recent at the

eng abservation, we would say that you would not then the first typically gloods, which advances the many positive typically gloods, which advances the many of the properties of the glood bits properties of the properties of the glood bits properties. Cow Am.

PTTs promition is defined as an incommon analysis of condense the pathwayer for the Principles on the pathwayer for the Principles on the pathwayer for the pathwayer attacked in the cells, the three incomes of the cells of the cells of the pathwayer for the cells of the cells o

period of the unividual's death, and the softening only takes place when the transformation is complete.

151. But who is the count of this alteration? We have remarked (147) that the incremeric glands when subseculous were incremed in volume; when they only presented some tubsrculum points, they were more or less of a bright sed and often slightly sediented. But this alight excess of volume was not always accompanied with this whange of color and consistence; so that in some instances inflammation appears to have inflammed the development of subseculous matter, while in others, and is not so large a number of cases, it is true, no such inflammed can be traced.

Whatever may be the inneediate cause of these tubercles, let us now imprise whether they invariably depend on an inflammatory state of the corresponding murous membrane? In every instance, when the meanneric glands were tabercuharr, we have found alceranious of the moult intention, and therealcorations had not taken place without primary or mecondary inflammation of the amcous membrane; they were also themselves a perpensial amore of initation. When the menestery was only partially tuberrulated, it was so in the careal portion, or the part which corresponds to the most usual seat of large ulcerations. These facts seem to point out a close connexion between tabercles in the mescutery, the mucous membrane, and alcerations of the small intention; but in more than onehalf of the cases, the ulcerations were small, and when externive, and consequently chronic, no increase of tuberculous matter was observed. The only example of complete tuberculous transformation of all the menenteric glands was that of a young man, whose affection was still recent, who had expenenced but very slight distribute, and in whom we found the mucous membrane of the small intestine perfectly healthy, both

as regards color, comistence, and thickness.-(Ola. 20.) The only appreciable alteration, and doubtless it is not a very intportant one with regard to the object we have in view, was a round adequation of a line in distance, with puls the edges, situated near the execut. We must therefore execlude, that if the inflammation of the lymphatic glaub, that of the meens needering and the alcertism of the until maining might to be versed as the opinional rame of occurring tabercles, there are other copes whose our man dependings. exists. It may perhaps to said in really to the, that indexenloas affections are essentially chronic, and probably, that of the mesentery existed anteriorly to the origin of the procipal discuse, and Hod during this interval the inflammation of the mucous mesodenor might have deappeared. Her this is only appearing an hypothesis to a first, and taking for granted as an invariable law, what really is not so ; for, taboradous matter is capable of very most development, as no offull beneather prove, when speaking of the progress of philinis. We may possible in amicipation, that we have some not reconstructoberder energy in phildrical cours; no cannot therefore rappear them to have perceived the principal off cour; partieniarly as no well murked indication of incurios of the mocos mentions of the until interior were many than the served."

152. The deputies of ptables had re-influence in the divelopment of the modification we are not considering. It ous equally frequent to cases where the disease was recent,

^{*}The mode of reasoning to which our nature events to the mode of the contract of the contract

(from six weeks to five mostles,) as when it was protracted from one to ten years.

tist. When the glands were not subcreators, they were quite often greatly increased in volume, and of a variably intense red color. This may lead us to conclude, that when the tubesculous uniter was coincident with inflammation, it had been preceded by the latter.

154. We have not detected any symptom which could be unifibrated to the abstration before us. In the instance already cited, where the whole of the mesentatic glands were subseculated, the patient sever complained of pain around the unbeliers. Pressure properly applied discovered no tumor. However, if in eases of phthins, we detected a tumor in the region of the mesentery, it might, we think, he regarded as tubercalous, for in no example of this description have we observed any other.

ARTICLE II.

RESIDENCE, MERCHAR, AND LEWIS GLANDS.

155. The meso-caral glands were rather less frequently toberculated than those of the mesentery, but offener than those of the right hundre meso-colon. They were enlarged like the mesenteric glands, seldom entirely transformed into tuberculous mitter, and were more or less red in points where this transformation did not extend.

Fire times out of sixty the landar glands have been tuberculated. In three cases their transformation was complete; they were about the size of a walnut, industred, and nowhere softened in the least degree. In one of these cases the aucons morehance of the result intercess and in few war perfectly bealthy, and the easts of the glouds could not be explained by any lesion of the obdominal course. The patient warm funds of screenly years old.

In not one of the cases one upder emolderation, have neseen the grey confuture points manner combined with the vaburculous; the development of the lange therefore follows the same enous in in the manners: glands. We have only used found the right burder necessition above thereof

ABTICLE III.

CERVICAL ATHERET, AND MORTHUR OLDERS

156. The corvical glands were more or loss interestinal in one-tenth of our cases, eight times not of righty; and like the measurate glands, larger than natural, and of a variably intense reductor in the parts which had not undergoes taker colonion (Oin. 9, 18, 35, 17). In fine of those cases, the suscess membrane of the trackers was of a soon or less their red color. In our indiance is seen personnel soon much observations. In the others, is was booliby; no that, in our own of the examples presenting those sort observations on large described (Oho, 15, 43), were the certical glands takernalistic and here, as in many cases of measurance interests, instances other cases than the inflammation of the corresponding measure other cause than the inflammation of the corresponding measure other cause than the inflammation of the corresponding measure other cause than the inflammation of the corresponding measure other cause than the inflammation of the corresponding measure other cause than the inflammation of the corresponding measurements membrane.

In a single ensuree (Olo. 9), the cervical glands, convented into inherenious matter, were the cause of pain, and this patient also furnished the only example we possess of teleroles in the axillary glands, and the same pain was also complained of in the latter as to the nack.

157. When the broachial glands were interestout, they were usually of increased volume, and of a grey and blackash color. They were very rarely tinged with red, or with an onion-post color.

IN PARTERYS, WHE SHIP HE STREET CHRONIC BESELVES,

to platine. In nicety-right cases, fittal from a variety of charge diseases, as dynamory, &c. &c. we have not met a single instance of subsroutant lymphatic plants. A comiderable number, however, among them, were examples of instancement and semetimes observation, &c. of the intention macous membrane; an additional matter for believing that the inflammation of mocum mandranes is not either the only cause, or even the most important element of subcreation transformation."

"M. Bronner says, for time-ylver from them, (coherentised glimit) independently of any inherentian affection of the large, both in unfair and infacts. Tide Krain. Med. vol. i. p. 244. To judge of the value of this sitesyrion, we refer the reader to what our uniforms and of a page 19, of his reply to M. B.'s criticisms. M. L. hilly confirms the accuracy of the opinion, that after the age of filters, inherentised glimbs array exist without tallegales in the Jungs, by the additional expenses of eight years.— Coware.

CHAPTER V.

DILIARY APPARATUS.

ARTICLE I.

1,7115

- 169. The first transformation of the liver was the contribuquest, and at the same time the most remarkable electrics of this argain. It evented in another of the cases (forty out of one brodied and twenty). In this condition the liver was pale, almost always of a light township sellow color, sponted with red, extresally and insertably. It retained its extend form; but its colors was ready always augmented, and at times could not used discoveries. This extrems was about restrictly at the expense of the right labes. The front three overlapped a large partition, extended the breakly of the extensely, compared the epigantium, extended the breakly of the extensely, compared the epigantium, extended the breakly of the extensely compared to the false file, and reacted the line error and the aphron, which was also exemiserably external. We make saw it distinct the pulses.
- 160. In commons (with the exception of cases obere the absention was but stackly prostunced) was greatly diminished; iteasity yielded in mertion, and non-common courts reflected. In very advanced case, the realpul and hands own greated to by coloning for minimum. When the mortid

charge was much less evident, we ascertained its existonce by placing a thin section of the liver on a sheet of paper, and expering it to the flame of a condle: a very slight best melted a small quantity of the flat, extremed the paper, and thus demonstrated its presence. The lesion constantly occupied the whole of the liver.*

161. The causes of the futty transformation of the lives appear to us equally obscure as those of other organic diseases. Without therefore attempting my explanation, we will point out the principal circumstances with which it is accompanied.

One of the most obvious is, that this lesion is almost confined to ruson of plathics; † so that it may, to a certain point, be considered as depending on this affection. Out of two himdred and thirty cases, nearly equally divided between acute and observe diseases, we have only metalize examples of fatty lives, and among these nine, serves relate to patients who presented a servain number of pulmonary tubercles. By adding these nine cases to the forty already mentioned, we have forty-nine

[&]quot;The first of my perticular much of streaming, and, combined with the general characters of influentation whose attacking parently matter organs, via the of issuing annually bounded to me able of the body, of the argue is absolute, and abused to consulty (perturps always) in a greater or into position of me gans, which are might, me may, I think, justly assertain a disable or to perform of the influentatory unique. This observation is applicable to that state of the kill very, so accounted by described by Dr. Bright. Other reasons we think maght also be addresed in factor of the initia that it does not arise from influentation.— Green.

I Compare this with the USSN properties of M. Bronnels: — "Chronic green-entential is the content harpotic engargements, and of from system funy enlargements of the free, which we provide And in the forter of these wite she cover of pictivity." — Andrel has bronned at the same results as M. Louis. — Cow as.

examples of this condition of the liver (and these money all we have collected during three years), and of which fury-seven were cases of pathisis. There are assuredly few phenomena of whose money dependence there is no deals, in confirmation of which facts are more minimum.

Sex a another cause obied favors the fatty degeneration of the liver; for, out of the forty-nice cause above mentioned, ten only relate to men, — leaving the proportion between them and famile pariests, nearly as one to love. It is now that phthics was rather more frequent among the lover, in the ratio of eighy-six to fifty or ear. But the difference causes one only affect our exhabition, or the manner of our mention.

The stronger or weakness of the communion contribed ininfluence in producing the absention in quantum. Age was equally realized effect. Among the firsty pholoicial cases referred to, eighteen more from trenty to thirty, thirtum from thing to forty, five from forty to this, there from they to virty, and one from acty to seventy a proportion about contribute with the frequency of phthicis or the different proofs of the

We are also unable to entimente among the number of causes, which favor the development of the fatty state of the liver, the diseases of the desdessors; since, in the first piece, these none rare, and equally so in cases where the liver preturned she farty transformation, as in those where it was perfectly healthy (10%)

462. This method absencion may rake place very rapetly. We have even it in immuness where plotters had person through all in stages in City days (Obs. 26.)

The variations in the direction of the disease have not meoldy medical dire proportion. The months were similar in cases where platicis had lasted only some months, or had been promoted during several years.

163. If, horozece, we admit that this pseuliar ecodition of the liver may be acute or chronic, our conclusion can only be founded on the dependence existing between this being and phillisis itself; for we have no means of diagnosis in our power at any period of its duration. We have in vain attempted to assign to it my class of symptoms; none such presented themselves. There was no pain complained of in the right hypochondrum; pressure on the liver, when extending below the edges of the false ribs, was equally without effect; and if it caused pain in the epigratians, when occupied by the fiver, this might be attributed to the state of the gastric mucous munitume. We have only once seen the color of the skin affected; this was in the case of a female patient, agail 30 (Ohr. 30), in whom phablics was both very obsence and slow is its progress. She had fived in England some years, and about the middle period of the disease, had experienced some shooting pricking pains in the right hyporhondrism, and other symptoms which induced a empirion of disease of the liver. She was treated with purgatives and calomel. The color of the skin became gradually obserged, and when we saw the patient, a protonted a very pule yellow tint, except on the face, where it inclined more to a become and was loss repully distribated. The selectics estained their natural white color; and this fact, as we shall become see, sught necessarily to throw a doubt ever the presumed cause of the color of the skin.

In this absence of all characteristic symptoms, there is only one elementance which might lead us to suspect the pathological condition of the liver, via, its increased tolome, which exists frequently and almost exclusively in phalmis in such cases.

164. In every case where the adipons dependance existed, the liver presented no other organic tesions. The latter, inshood, were at all times very rare. Thus we have only twice remarked inferentian matter in the organ (Obs. 9). In two individuals, from eightrees to accesses years old, this areas offered internally numerous must eyers, how one to three land in discover, of study consistency, largely allowing these in he separated from the surrounding theory. Their parietts were about the twenty-fifth part of an inch thick, and archanol a greenish pulpy substance. We have only accommend these eyes in the hear and in cases of platform.

In another immuse (a woman agril (wonly-pane), the middle labor our throughful and replaced by an inequitally mapping fligureys, nearly ikable in values the late to which it coresproded, and of the 25th of an orb, or often less, in the kness. Thirtyst, of a yallowish white, contained a goluless rather torkil fluid, of numbered density, in which doubt about me horilmé minute rounded homes, varying from the rise of lawspoord to that of a small cherry. They were formed by a chin messboard, exclosing a limpid fluid. The periods of the east well were compared of a white opaque memberns, of the comistense of coagulated albaneou, from bolf a largety three quarters of a lim thick, very slightly adherent, amouth not polohid like a serous mesobrane on its outer surface, and of a dull appearance interestly. Here also there were free elongated elecrations, from me inch to me inch and a half of surface, and from our so two lines think, rough, audithord, and prenuning the aspect of the concrete allumen on the notice of a possibel. eer. The parenchyma surrounding the eyes true healthy.

The consistence of the fiver was very variable, constitute soft, at other times finner than ratural, often resultining induration with britisheese, but in no instance giving one to say characteristic symptoms. One of the patients, whose history we have given (Obs. 7), presented a solitary example of seemphysematous liver | in was lighter than the large, and rather less than its numral volume.

ARTICLE IL.

THE AND SALA SEASURE.

165. In con-chird of the cases where fiver was adipose, she
lide in the gall bladder was very dark colored, of a size il tresclo-like constitutes, in a median state, as it were between a
solid and fleid. In mother third, it was still very thick, but
less so than what we have just described. In the last division,
its color and consistence were natural, and is general it was
less abundant according as it was more viscid.*

However, the thickened state of the bile, in which it assumes very much the appearance of treacle, is not confined to this particular so-diffication of the fiver. We find it in other conditions of this organ, though proportionably it is much less frequent. Thus, in three phthisical patients, where the liver was healthy, the bile presented this peculiar comistence. We have observed the same fact in patients who died from other chronic discusses, and whose liver was healthy. In five out of seventy, the bile had a semi-solid consistence similar to that of treacle.

166. No relation could be traced between the state of the bile and that of the stomach. Its committence was very con-

^{*}The healthy state of the occurring, is a large proportion of the cases, and its stationty with that observed in other instances, where the largest paymethyms appeared would while the occurrion itself varied are additional arguments in support of the opinion we have advanced in a previous note, that the peculiar modification in quantum is not depositing or inflammation.—Commit.

siderable under the most racked conditions of the latter; when the messas membrane of the stenach you minute, thorsel, inflamed, or perfectly healthy; when patients had paramy preserved their appears to the last, or when material was more plets long before death; * both when ventiling had have toquest, and when it was alregalary about. In parameter, have we detected my appropriate manys in the hile of the dactor challeshood.

167. The pariety of the gall-hisbler were selfour morhilly affected. Twee we have over them rose or see thicksped frees infiltration, and stood from another except. In our of their last (Obs. 49), subgiver more femal between the finalise of the pull-blacker and the abdament possible, and in the excespending pand as parents conducto not through to the extent of about an ord. Smiler, though less remoters able, loss of solutarro expired near the needs. Elembers this membrane was about a quarter of a loss thick, and pre-model is minimum the redumental approximat amorphism from its the univery Bubbs, The subspaces or belor to-so was thickered, and the purious corresponding to the obstations ratily term. The gold-Mahler constant above two hundred calculi, varying in volume from that of a per mea collectional, Two years known has death the purrent had experienced scatter pains in the corresponding region of the abdonco, and clone; elecen months and and several analysis of journiles. In three women, of the copertice eges of thirty, thiny here not many,

^{*}In the region are the mode whose areas is form that," They some a hard compact the neares of the transform. I prevent that the a vertex error to the suggest, and done to real" should be "field;" and then have I have transford these as above. —If, I, B,

a considerable number of calculi were found immersed in a large quantity of bile, without any alternation of the parietes of the gall-bladder. No symptom indicated their presence, and death took place at different periods of the year, spring, summer and assume.

BY PATIENTS WHO RED OF OTHER CHICAGO BULLIES,

168. In cases fatal from various chronic affections, principally of the liver (perhaps chronic hepatian), we have also found biliary calculi, with thickening and observation of the costs of the gall-bladder. These alterations were oven a little more frequest in these diseases than in phthins. The biliary calculi were not constantly accompanied by observations, but we have never observed the latter when the farmer were not present in larger or smaller quantities. Calculi were also generally present when the mucous members was simply thickened.

CHAPTER VI.

SPILEEN.

169. If our ignorance of the functions of the spleon renders the study of its morbid changes less interesting than that of those of other organs, their number and frequency are at least calculated to excite the scal of observers; and, on this account, we cannot but enumerate the strukts of our examination. The abstrations observed, referred in general to its comistence and volume, or the development of accidental timesy.

170. The latter were two in number ; our, the teleproleur, which rejected in one footreenth of the cases; via., seven times out of vinety instances, which were essetably examined (Obs. 6, 7, 9). The teherder were very moments, varying in volume between a bomp-next and that of a filbert in one easy. They were in all, with one exception, more or loss round, yellowith, opaque, of a dell appraisance, in all respects similar to show in the lurgs. They were not encysted, and the marchately surrounding time was healthe. In two patients, where they were the most namemor, various other parts of the body were affected, as the mesentery, neck, axilla, and even the horn (Obs. 9),* We have never observed the grey, semi-transporer matter engiointly with inhereles; so that bere again they appear to be tabesenfour from the conmenoment. In the seventh observation the subsrealousmatter had not in untilly rounded appearance, and in other respects presented slight entitions from what was observed in the others. The individual was a man, agod thiny-seven, whose disease had haved five menths, and at whom the spleen presented rather an increased volume; it was guidally adbering to the displirages, and wholly exceed by a folm, carrilaginan membrane, about a buil a line thirly. Beseath. it, on the otter surface of the sylven, was a shill yellow-colored tione, not evidently organised, very firm and resisting, very

[&]quot;The result of our away observations, from a mobilizer of hight months in the Hoperal des Eurosa Metalies, at Pares, month had no in compart that the proportional frequency of indecelor to the inflation organic versel mark by the infinit and when this was the case, with many free amount more frequently, and when this was the case, with many few surregions, no found inferreles in the option. Exact beautifulge at the retaining in the out and abstractions of discuss in deferral postula of the in an interesting and important subject the fature researches. — Coma is

similar to chances leather; it had a featicular conformation, four seches and a half in diameter, being thin at the edger, and about one inch thick is the centre.

171. The other description of stortid structure we have only met once (it consists of rounded, yellowish, shiring, classe, most granulations, very different from tubergle, and irregularly intemperard through the parentlyma of a softened and enlarged spleen.

172. The volume of this organ was very variable; much stariffer than retend in lifteen individuals, while it was twice, there, four, or more times its usual size in sixteen others. We have endeavoured to discover selection there was any relation between this increased volume and intermintent or continued fevers experiment by the parient at a period more or less anterior to death, and we arrived at a negative result. In the amjority of individuals who had had intermittent or severe continued fever, this organ was very small; we have only twice found it voluminum after the former, and once after the latter.

173. Its consistence was as satisfie as its size, he see cases it was much femer than usual, and in all, with one exception, the whole of the parametryons was equally affected. Increased density was most frequently connected with increased rolume. This was also sensorimes combined with great friability. In eight cut of ninety cases, the softening was equal to or even greater than that in typhon favor.

IN PARTIESTS WHO DIED OF OTHER ACTUE OR CHEATER BELLIEF,

174. To determine whether any peculiar influence could be merited to pathinis in the production of these various charges, they have been compared with analogous states in eases fatal from various source and chronic dampses. In the buter the bureau of volume was in the tank proportion as in phthisis, while in distinuing was at ourse more constructed and more Tremment. One of one handred and slavy many where we are not including recumples of typics, in fety that splers was small. Among these, the decrease was very contideable is transpone sittinger, latel from preumonic or more affection of the triant | a result seemingly positing out that the dimension of the sphere are independent of robusposst rirealizing. Solling not non-frequent after with than after abusin disease; very sends enoughling had the proportions abserved in philosos. In some of those examples have we seen the sphere schoreshood.

CHAPTER VII.

UBENABLY DRIGATES.

155. They very seldom microll my manufalds sharper.

We have frequently exercisely examined the rend repunless and the only elecation observed was, in two instances, a small quantity of unsolvered, robosculous uniter. We have sover seen the laster in these organs in cases of chance daease, except in those of phablics.

176. The kidneys, in three fauths of the examples, were perfectly sound, as to their studiesterns, rober, and voltime. Sixteen times only out of ninety we lines found them eather reakly than eatherd. There times their constituence was considerably increased. In four cases, small gynt norm developed (Ohr. 19). In three they presented a certain quantity of toherculous matter, and in one of these the abermions extended into the orcoor. The great raries of similar facts induces us to give the history of the instance to which we have allufed.

PIPTH OBSERVATION.

A numers, as, 24, of a serofulous and delicate babit, howelf healthy parents, at the age of twelve years syrained the right foot. After the persistence of scate pains during two years, they recard, recurring at distant intervals. Some figular, formed mund the tibio-ternal articulation, discharged during four years before we saw him, almost constantly, a certain quantity of pas. He had continued his business, and often walked considerable distances without inconvenience. He had coughed and expectorated a year and saven mouths, and was admitted into the hospital of La Charité, February 16th, 1822. At the commencement of the cough, same very scute paint in right side of the chest compelled the application of a large numher of lecches to the spot. There had been no homoptysis, and the syspeces had existed very little more than tix months. For more than a year the appears had seasibly diminished, and during the last four mouths had altogether ceased; the thirst was argent and disurbors frequent. The patient did not recollect having had perspiration; he had complained of rigors the hos fifteen days.

On the 17th of February, extreme emociation; no headache, or pains in the limbs or loim; intellectual faculties, clear; speaking hurried; voice, without lunkiness; breathing, rapid; cough, rather frequent, and occasionally in paroxymus; corpersoration, exactly, assembly and equipm a perconstion, every where elear; resonance of voice and percolappy between the scapule, and under the right atom. Skin, my a remperature increased towards the avening; to perspiration or rigors the percoding outsi, pulse, modernely frequent. Tongon, clear and astural on edges; thirst, organic very little appears; regignation, not probbly occurred more after cough; four liquid modes; enter point with flates.

In the succeeding days, communities of the dambon, but so remaile change in the other symptom. There may a night scatters from the 12th to the 15th of May, when death work place, preceded by delinion, the last eventy-four hours.

Opining of the torpre thirty-ris hours after death.

Execution. — Nothing worth noticing. (The brain reremoved for anatomical proposes).

Thouax. — Adhermo of the upper and purpose parts of both large to could please. A small, inherculous excutation existed in the entered of the left long, which offered in the east of its extent, numerous grey, orni-transparent granulations, surrounded by healthy long. By making a vertical occion from the summit to the base, manerous rounded openings were soon, formed by the more or less thickened and orificanly diluted broughts, their dilutation extending nearly to the surface of the lung. The same state of things maked in the right lung, where the excutation in the nominit was result, the granulations in still greater number, and the broaded dilutation more consultrable than in the left; brart, of medicate volume.

Amounts, — Mucous metalirane of storach red annual the cardiac order; some ulterations in small intertine; others of large dimensions in the caress. The colon and other viscous,

with the exception of the right kidney, were healthy. This kidney presented its amount column and situation; it was of a light yellow color, nothinted in its upper third, and find nothing remarkable teless. The corresponding uniter was hard to the touch, about four lines in diameter, dimension; both in size and demay as it approached the bladder. The result parenchyms was described in the upper third, and replaced by a policyinh, opaque substance, in every respect toherculars, lying on a false numbers of a similar nature. The latter was protouged inferiorly, living the policy and arrows, to the parieties of which it was family adiament. Consistent on its afternat, it became probably soit and finish towards its first unities; it was four half a line to a line in thickness, and firmer in the moster than elsewhere."

176. Most unrecountably we emitted to examine the bladder; we are, therefore, governt whether this inherculate membrane was prolonged into its cavity. And although this does not appear probable, from the fact that the consistence and thickness of the unser diminished on approaching the bladder, we shall refinite from any conjecture on the subject.

177. Of the two other cases, one was a young man, aged 18, of penty arrang constitution, generally in good health, not liable to colds, and who field of phthins after an illustrated arvent member. Among other morbid alterations, we observed nomerous illerations in both intestines, some infermalistic granulations, and a termia in the portion of Jejanum joining the form;

[&]quot;Layers merion in nature where the nature were " to each direct as a section the thunk, and their instead out converted into an alliance layer of subcondour motion." These examples present as increasing variety in the mode of tubercular deposition.—

Cowax.

a great number of tubercles in the mesentry; the two kidneys redder than natural; and in the mannit of the right was an aval tubesele, not encymed, about an inch in its greatest diameter, of a lemon yellow color and of good commence.

The other example may also a young man, of weak contitation, who ded of platitis fire months from its beginning. The intestinal pracous membrane was perfectly healthy in consistence, color and thickness. No tabordes in the assumery ; they were, however, removed on each side of the lumbar. veiteder, usual the upper margin of the poles and in the nock. Our of the cases in the smart of the right hidney was convened into inharmous matter, a little solieuse at the centre. The adjoining case offered here and there a small quantity of the most mastinee. The intervening tions was healthy:

178. In both these has entinces we have carefully manined the mate of the macon combines of the bladler and ureters, and have found it from from advertion. We exercit, therefore, attribute the development of the inherestant matter in the kidney so inflammation of this membrane. And, in the previous observation, how can we suppose the false membranelining the pulvis and ureter, to have been the product of infamed lymphotic results, which by many medical men treconsidered the source of talicrolles?

179. The bladder, more or loss commond or dampital, server presented may mothed afternion. We have given scarcely observed slight injection of its miscous immirrane.

IN PATIENTS WHO SHEE OF OTHER DESERVED.

180. In nearly two hundred fatal cases of other document we have carefully inspected the kidneys, without ever finding the slightest trace of tuberenless master. The other changes were the same with those occurring in plahisis. With two exceptions we have also constantly seen the nuccus numbrane of the bladder from from all alterations in them subjects.

CHAPTER VIII.

GENITAL DEGAMS.

ARTICLE 1.

MALE GESTFAL OBVASE.

181. In the small number of instances in which we have examined the peaks of plahinical patients, we have observed nothing worth researcing. But out of forty cases where the prostate, vestrale semisules and case deferentia ment temporalistic, vestrale semisules and case deferentia ment temporalistic examined, three presented a greater or less quantity of tuberculous matter in the prostate; and in one of these (the subject of the following observation), it occupied the prostate, vestrale semisules and van deferentia.

SIXTH OBSERVATION.

A Granux tailor, at. 24, of nather weak constitution, but little subject to illness, listing a fair skin, light fair, regular shape and spare habit, was admitted into the hospital of La Charité, October 27th, 1874. He had been ill friese days, and was attacked in the consumerous of the illines, while in perfect health, and nithout my apparent cause, with a molecularity copieus humanysyste, which, in spin of being rosce bled, repose and abstinctive, him times consinued. A cough began at the name time, since which he has appreciated a time of heat and copouts right peopletones; the apprent had domainful, and thirst music increment. No name of armation or pain or closel.

Metts. Surface of body, authoring bys and torque, pile i protration; breathing, ration quick course rather frequent; a protion of the spating result two occupient by librard, some or loss fluidly, fluid and blacking, purchases of classe, class; respontion, distinct, rather weather under the alreades also also where; pulse, much, diglish mechanish, as among a beat of surface, natural; there, rather segont; appetite, much diminished) addresses, not primite; much, rate.

The hamopty in remail antimly on the 30th, and did not again return.

During the street following results, that is, until the foll of February, 1825, the day of his death, the rough was untilly very violent during the night; expectationer, copour, counting at first of a clear fleid, but at the cod of November, and during the following exently, this was successful with quite of an opaque and at times minimization appearance. These norm of preyed color, temievitrified, as it were, and scarry during the whole of January. On the 2d of December, respiration under the claticles was norme, but without any ride. This clumerts was nell more orident on the 9th of January, and in the motors and interest half of the left side, and every where pre-

teriorly, the respiratory esometr was nongled with a quite fine crepitation; the percursion there remained constantly clear. On the 25th, there was very great defense of sound about three inches under the lost clavicle, and in the same region well marked pectoriloquy. From the middle of January the dyspiciru was considerable. No pairs were complained of in the larynx or in the region of the michen; the voice became changed only eight days before death.

Slight acceleration of the pulse during the months of Noreunber and December, which afterwards increased, and from the 15th to the 20th of January it varied from ninety-five toone lumbed and ten. The best increased proportionably; constant night secons, which were in general limited to the upper part of the body; there were also some irregular rigors during the last month.

Very shortly after the entrance of the potient into the hospital his appetite increased, and he took more food, so that by the end of November and the following month, he are a fourth or half of the muni house allowance. Stook rase, howels opened by enemins of flavored ten; during the first two months; the eracuntions then became frequent and third. No colle, nauses or vessiting; thirst always argent.

After the distribute commenced the dehitty rapidly increased; and thing the last twenty days the patient was confined to his bed. There was slight delirium a few hours before death, coming on at four, p. m.

A blister was applied to the left arm from the beginning of December, and from the same time frictions of the hydriodate of potads every morning in each axilla were employed to within a few days of death. Opening of the corpor firety hours after death.

Executes. — Almost extreme emocesian without orders.

Hears. — Very triding infiltration beneath the archerid;
some white, equips, military granulations attached in this
membrane along the longitudinal flower; a spoonful of limpid
fluid in the left lateral verscole; rather line in the right; two
more in the lower occipital forms. Immediately below the pero
various and in the unbattness of the annihila chloragets, there
text a tobarcle, about the dependent of a mubile-stand praneither encysted our softened, and month which the mubility
substances was locality. The consender of the combratesisms

Next. — The epighton had nothing minimal about it. There was a deep, round observation, one line and a half in a emeter, at the junction of the west rounc. Leaves posters of tracheal minimal members olightly reddened, but of natural chickness and emeritories.

Thouax. — From four to five sources of about their in much of the ploans. A white, earner hand extended from the contail pleans to the summer of the belt long, where it terminated in a point corresponding to a substrated extendition. The about of the upper lobe was independed, and efford consernate policies at its surface, and tree small cavities in as summer every where the there was an almost infinite number of integrability shaped tubercless, varying in size from that of a post in a laurel-mat, frequently confluent, and occasionally softened or accomplishly excurated. They were how according to the lower loss, where none of their wave natural. Nearly all were surrounded with happined polaromary time. The inferior lobe of the right long was alightly impurped, but promotived no substrates. The latter were also less managers.

in the upper labe of this lung than in that of the left; none of them were softened. In neither long could no detert the grey, sumi-transparent matter. The hencehia were of a uniform pink tint. Heart, small and healthy; norte, natural.

Amounts. - The storagh menined a large quantity of green tile and a little trick temeious moers. Its liningmenlarge was of a yellow polor, and much softened in a small partian of the great ent-de-our. In an alongsted surface of from five to six square inches along the great curvature, it was comillated, of a greyou end, more than half a line thick, and evidently mixed shave the surrounding parts. Elsewhere it was sound. The condition of the macous membrane of the small satesting, in its upper third, was healthy; it persented some transverse alevrations in the middle third, and in the lower poruou, some longitudinal and efficient aforestions, similar in shape to the passhoe in which they were signated. The transverse efectations did not entirely the intentire; they were from an inch to un inch and a half wide in their centre, gradually manowing at other extremity. The corresponding mucous membrane was completely removed, and the alcerated surface very uneven, owing to the thickness and partially electroyed submission layer. Their edges were prominent, of a reddish and vallowish tint, in consequence of the presence of numerous solvered inhercles in the substract of the subrancous tissue. Externally the portion of intentine corresponding to the olcerations, was most or less grayish or violen-colored, presenting inequalities caused by inherculous granulations situated between the perionnal and muscular tissues. The longitudinal ofcerations were not complete; that is, the mucous munibrane was only purtially destroyed. Their surfaces were neven, like those of the previous patches, both from this cause and in consequence of a number of strips formed by

the moseus membrane. The intervening contour membrane was healthy. It was puls, thickness, and of the consistence of moses, thoughout the whole of large intention. The corons and right harder volus offered free mult, inregular, suborculated alcorations, having the numerical cost exposed. The mesentonic glands were interested in subume, and almost wholly suborculate; this was also the rase with many of the numerical and also of the right numerical glands. Liver, pule and startly adoptors, the bots of the gall-blander very thick and very dark colorest. The sphere contained ten or twelve tolerestous granulations of the side of a green pea, and its imme was realfer than named. Is divery and Madder, healthy.

The prostate presented its usual volume, and was absent orginely converted into tuberculous matter, which was not softened. The vesicular squimales were rather reluminous, industried, and filled with very firm, tuberculous substance, divided into muses by the amount conduct intersectarm of the part. These intersections were industried, prejud-enland, more than half a line thick, and consulting the external contents fall a line thick, and consulting the external contents facility, the variable position, and for about three instant facility, the variablements were about two lines in diameter, and officed the resistance of a torse cool. At the end of this intersection decreased, their paress were twice their most thickness, apaque, like three of the consult and state cavity, filled, in the space indexed sub-firm, most ficured, inderendous matters. Beyond this all was marrial.*

^{*}These rare examples of information deposition on around members on strength and on the plant, and not from any promining in the next of so formation. The arounder of the party qualities as been in the the next time, it is soon, of quality professes, which we use indicated to helically in the next time to what takes plant is all

128. Without fixing our attention upon every point of this observation worthy of interest, we will observe that the form and internal austomical arrangement of the remoular seminales were not demoyed; that there was no transformation of times, but a simple development of taberculous matter; that this development was the product of a marked according in the residular and was deforance, such as took place in the ureter, which we have described in the preceding chapter. We would remark, likewise, that these facts are very analogous to the game of miscoulous peritonitis we shall shortly describe, and that they are contrary to the opinion of those who consider tobercles as the products of the inflammation of the lymphatic sensels (17th).

183. Another elecumitance musts to be remarked; vizthat the suberculous matter, elsewhere deposited than as the lungs, as in the spinskinanow, layers of the mesentery, spleen, prostate, &c., was every where at the same stage of development, not yet softened; which seem to indicate the existence of a common cause acting at once on all these points.

IN PAYIENCS WED THEN OF STEEN ACCUSE AND STRANGE POPLANCE.

After other scate tail earmie diseases, we have never observed tubereles in the province, vesicular, seminales, or was deferential.

our times a vist, production of numething and perviously existing, gradually destroying the natural structure, but and receiving from in transformation — Case a.e.— Box Cornection Tubersto.— Blastrature of Pathological Analysis, London.— H. E. B.

ARTICLE II.

TEMAS, ESPATFAL DECISION.

184. With the enveyrious of their core, they were about alterays named. The robus of the sugains mus either white, pink, or little, not this resulty in the same proportion as or cores fatal from various other storages; at rid not name as depend upon the more or less consumment that of the significant. In an auturer have the parisons of the ragins presented only organic lesses.

18%. The arread was generally distantished in volume. As an other distance, we have often observed town with, small, pole-endered polype in the entity of the body or mark. Occasionally filtered bods of accumulationals whome were devolutely to the wall of the otteres, in a visible distance from its peritorical covering. In our case, we found the most imperfecial layers of the internal unitary of the fundua and mark, for about a limit in depth, transformed our reherendors manner (Ohn. 32), and immediately beneath this, surrounded by benithly structure, more yellowish initiary granulations of the same sature. In this patient the measurantion had continued regular to outline three mention of the subsections matter took place subsequently to that periods.

We have twice observed a small quantity of the same subsamer in the outries. These frequently presented scrous cysts usually of small volume, and in nearly the same propertion as after other chronic diseases.

IN PATIENTS WHO DIES OF OTHER CENTION DISEASES.

186. We have found subcorations master in the atterior parietes only in cases of philatin; while the other alterations were nearly equally frequent in this and in other chronic affections.

CHAPTER IX.

PERITONEUM.

187. Theran were many examples of erross effusion into the peritoresis. We have observed it (earying from one to eight quants) twenty-mu times, that is, in one fifth of the cases. The men were equally affected as the women; and it was not more frequent where the liver was adopted and the mentatery tuberculous than when these abouttons were not present.

188. Besides the effection, we found occasionally a pollouish, soft, folia membrene, and a certain quantity of thick pur, inadorous, such as exists in scate abscesses (Obs. 4, 16, 31). This double alteration was postent in four cases, and could only be the resolt of an acute perionitie; and the symptoms observed during life proved that the inflammation was developed a few days, or more frequently only twenty-four hours before doub.

The fourth and sixteenth observations confirm the truth of this assertion. In another instance (Obs. 31), peritonitis appeared to have come on likewise during the last twenty-four hours. We did not observe the symposess, but feel entitled to attribute so it the extreme restlessness experienced by the patient the evening preceding death, and which was remarked by the attendants in the want.

These for them show that the personeum, like the other organs, is unceptible of scate inflammation is the last periods of phthisis, and that the symptoms of it are very often smiler to those which it excises under very different circumstances.

199. Old cellular and partial adhesions were present in three cases; in a fourth they were asserted. (Obs. 14), resulting from a chemic personalis experienced by the patient reoyears and a ball before death.

190. In another instance (Ohs. 49), we have seen on the serface of the peritoreput, covering the great emission, numerous semi-transparent, military granulations, as if lying embedded in an incomplaintly opaque false membrane, and they were mired with it. We have also found between the layers of false membrane, covering the investions and the amories parieties of the abdomen, panches of inherculans matter of entirestimentials (Ohr. 32). Lastly, in a very remarkable instance which we shall now relate, we have seen the same matter developed in the omercum and mesocolon.

SEVENTH OBSERVATION.

A RONNET maker, mt. 27, of a weak constitution, a month in Paris, was admitted sate the hospital of La Charir, April 7th, 1924, and stated that he had been ill five weeks. His illness commuted after a severe westing, while upon his journey, and was marked by cough, expectoration, rigors, and

partial dissination of appears. These symptoms persisted; the thirst became considerable and anorexis complete. The shiverings returned from the slightest cause; the cough had much increased the last eight days, and he had since been sensible of dyspaces. Weakness was persent from the commencement, and soon accompanied with swelling of the logs. The patient had not, however, kept his bed; he took a little exercise every day, and had not felt any pain in the obdomen.

On the 8th of April, face, pair; slight orders round the arkles; considerable loss of strength; the spata were greenish or yellowish, partially opaque, mingled with others of a grayish color, semi-transparent, and as if viridied; cough, rare; considerable opposition; speaks hurriedly; a nuccus rile perteriorly and principally in the left side, from the summit to the base of the long; percuosion, clear; pales, somewhat accelerated; heat, moderate; tongue, dry, rather red; month, clarary; thirst, argent; anarexia; abstonen, tonor, elevated, every where rather clear on percussion and not painful; however, at moments the patient complained of slight unexament. Borrels costive.

(Desection of the triticum repens with oxymol and nitre; two enems of periotaria; gum potion; two rice comme; broth three times daily.)

The same symptoms continued with variable intensity until death, which took place on the 20th of August. Their sacrease was gradual, almost superceived; the cough, generally very feeble; expectoration, never abundant, and not varying in its characters from what we have already described. On some days the patient neither coughed not expectorated, During the last three months the lower two thirds of the right side of chest were completely shall; the respiratory marrier, very during and obscure in the same part; there was an occontend reaching total under the corresponding staticle. To the left the respiration was a limb weaker to the intro region that in the lower portion of the time total, recknowled mosgled with a nuccus rule, and now and then with a stight inditinct expitation.

For the first filteen days the pulse was rather accelerated; it afterwards became rates, and again more frequent towards the fatal termination; it was always weak and regules. The increased temperature could with the state of the circulation, and remed other the pulse became material in frequency. It was subton observed at reght, and prespirations were sell toose rates.

The range was shoot containly rel and dry during the whole of these iten member; a result observation may its point and at the right side was observed through the but for days. The third diminished with the decrease of fibrills recovered, and recopporated, through singlely, with its augmentation. After some days of abstractes the appetite research, and the decrease for first attenuable two argues, but name non-recovered (cremes do rise) and a latter with wave above provided. Nassea, may an arrange. Abduster, may us been relationed, with occasional constitutes. No only pure in my time. Districts came on at the end of May, personal in the beginning of June, then coased, returned in different intervals, and was very respects during the interventy days.

The countermore but specify the slight rates which is had and became pute and slightly yallow. The parient felt weared by the duration of his illumi, without, however, referring much disquirtude; he updo only of the increased size of the abdones, which incommoded into, and which he auxiliated to disulence. Rapid emeriation, very gradual decrease of trought, so that to the last day he perambulated the

wards of the hospital. The tendency to sleep increased with the weakness. On the 29th of August, as nine, v. st., he rose for the purpose of placing himself on a night-stool, and had nearerly done so, when he fell back against the wall. He was liked into bed, and in a quarter of an hour afterwards again rose, was assisted in lying down by the marse, and at half past nine expired without a struggle.

The treatment commond in the use of demalgems, alight district, and weak natringents.

Opening of the corpue thirty-four hours after death.

Extranon. — Universal employeess, aspecially of the neek and lateral parts of trunk, accompanied with bulle, containing a violet-colored fluid. The sens, though crepitating on pressure, were very small, so extreme was the emsciation.

Hear. — Two small spacesful of clear fluid on the upper portion of the arachnoid; a larger quantity in the occipital forms. Very slight sub-arachnoidean infiltration. Brain, rather soft; consistence of septum Incidum and inferior surface of formix almost pulpy. About a specuful of severa in each lateral vertexide.

NECK. — Epiglottis and Intyres, healthy. Mucous mombrane of the unabea, of a firid pink color, of natural thickness and consistence.

CHEST. — Left lung, without any adhesions, of a dirty groy color, interrupted by whitish spots, corresponding to masses of grey and substructure nature, which were larger and more numerous is the upper than in the lower lobe. There was no excavation, and the surrounding purcothyma out healthy. The right lung persented the same levion, and its two lower thirds were covered by a false membrane, united to one lining the

costal plears, by means of filaments, enclosing in their innerstices about ten ounces of clear serior floid. The branchia were thin and of a pellowish red first. The heart was of usual dimensions, containing a small quantity of pole, fruity blood. In pasience were flaceld; both vertricles thinner than musral; the left was only three lines thick. They were so supple that at first eight the muscular flows seemed separated one from another by a certain quantity of sir, but this was not really the fact.

Announce - In anterior passetes adhered to the subjected viscon, by means of cellular finments of various lengths. The oversum covered the greaser part of the small intestine, farming a man from receive to fifteen lines thick, unevenalternately yellow and bluesh in color, composed of the taberculous and purplish grey, semistramparent matter. The former occupied four liftle of the mass, and was no wheresoftened. The messender and messrectum presented the same alteration, but were only half as thick as the operation The greater number of the mesentene glands were inderculture. The liver aftered to the displaying by means of a false membrano easily separated. It was of a deep yellowishbuyon color, of very moderate volume, excussingly solt, and in specific gravity so inconsiderable, that it floated in water like a bralibe bog. Inormally, these was so isfans sumber of cavities, varying in size, figure a heaq-reed to thut of a pen, and eather empty than full. The bile is the gall-bladder, clear and scarry. The spison, rather larger than social. Its peritonial covering detached in its inferior ball, found a sack containing at least two sunces of a blackish fluid. In tissue was quite soft and nimiter in other to the fluid instruentianed. Kidseys, named. Storach, partially covered by a false membrane. Although the organ was removed such the greatest possible care, it officeed, to the left of the cardiac crifice, a circular perforation with pale and thin edges. But from the absence of efficient, we ought to conclude that the perforation was the result of slight mechanical force, and did not exist during life. Internally two very different appearances were present. Near the pylorus, and extending to some distance, the mucous membrane was greyalt, mamiliated, of good consistence, and is twenty points more or less near, incompletely destroyed over a unitace of two lines; elsewhere it was of a nearly white or light hanns color, and extremely solt and thin; the corresponding layers were easily toru. The macous membrane of the small intestine every where pale and soft like mucus; that of the color rather less so. No ofcorations in either internet.

With regard to the tobovoidous motter, it presents a solitary example, in our own experience, of its equal development in parts which were examined in the longs, mesentary, constitum, &c. &c.., while in all our other observations, it was always further advanced in the longs than any where else. The thoracic and abdominal symptoms were in harmony with the morbid contlainer of the organs.

The anion of a certain quantity of the bleich-grey and semitrampount number with the subcreader in the orientam, is an additional argument in favor of their manual connection.

192. In many cases of sudden death, after acute diseases, (more especially the aroprive), we have seen subcataneous emphysican universal, but murely so considerable as in the present instance. It is the only example we have metamong chronic affections; and we have never before observed it in the hepatic parenchymn. The volume of the liver rather less

then natural, appears much more remarkable than the emphyness. For, supposing the latter to have taken place either a short time after or holore death, the liver must have previousby been extremely small; and, as we posters so example of a liver so disminstrice as this supposition totald infer, we are almost forced to conclude that the emphysican was gradually developed long before death, in consequence of some peculiar but unknown alternious of the parenchyma.

193. The flaceday, the chemoty, the incomblemble thickters of the belt versules of the heart, form the a singular combination of commutances, and to a certain point animilars the state of this organ with that of the liver. We have never found the substance of the splene store completely softened, and it is the first time we have observed its peritoneal covering partially demeloid. The morbid alteration of the mucous membrane of the storagely, small intentine and colon could scarcely be more considerable; yet accessibilitating such universal and severe disease, the patient complained of topain, was almost without fiver, and death was still unexported.

194. In the two preserting chapters we have seen the subservation matter deposited on the turface of concern mean-branes, in the oresers, ventrula remeating and van deferenting that it, developed by means of numerics or exhibition. A similar process on doubt most place in the present one in the great orientary, and also where matter of tubervilous entires were found however the layers of false membrane which fixed the easily of the abstract. It is even probable that these are not one examples, and that a whatstood is one of the most frequent means compleyed by nature for the production of tuberculous sunter. We are the most maliend to bullete

this, since exhalation is also a source of other morbid productions equally fatal, as, for instance, that of caucer developed on the free surface of the peritoneum.

IN PATIENTS WHO DIED OF OTHER CHRONIC BUTEFUES,

195. After various other chronic diseases, we have seen several cases of sevens efficient into the peritoneal cavity. Excluding diseases of the heart, in which this is so frequent, we have found it sixteen times out of seventy-seven cases; nearly therefore in the same proportion as in plabinis. Accord peritonitis, coming on shortly before death was present in four cases, three of them concerous affections of the uterus, one a case of dysentery.

But in no one of these seventy-seven cases* have we met either subseculous personitis, or grey, semi-transparent granulations on the peritoneum, or in layers of false membrane on its surface. These results concur with the preceding facts in pointing out the analogy between the subseculous and the grey, semi-transparent matter, both of which appear confined to phthisis.

^{*} Up to the present moment M. Lean his not found a single exception to this law. Vide Econom. dell'Econom, page 24. — Cowa.

CHAPTER X.

BRAIN AND ITS MEMBRANES.

196. Though in phthisis, the cerebral functions are undisturbed, and in general continue so to the last mement of existence, we have, however, in the majority of cases, found some alteration in the beain, or in the parts connected with it. We shall successively describe them.

197. In patients advanced in age, the dura mater was more or less adherent to the suggestal source and its vicinity; it finquently promoted near the longitudinal sinus, or at a considerable distance from the same part, Incentions from two to four time in length. These gave passage to some round, white, opaque, or semi-tramparent bodies, of oriform structure, about a line more or less in dismeter, and two, three, four, or sometimes more in number; at the edge of the laceutions, the slare senter was divided into two laminas for a small space. Occasionally the internal layer of the skull was thinned or destroyed in the corresponding point to the extent of one or two lines. These bodies were more or less adherent to the aportures in the dura mater, and less frequently present in young subjects than in patients more advanced in ago.

196. They were attached to the upper surface of the sweckweld covering the locals, and suldom to the layer lining the dara mater; they were almost always present, whether the latter esembrane was or was not perforated. They were never farther than two inches from the median line, and increased in number as they approached it. Their volume varied from that of a millet-used to a green pea. They were either in groups, forming more or less rounded or irregular booking patches, or discommated, closely attached to the muchated, which was always thickened and opaque in the corresponding points. This fact and the occasional absence of the protended glands of Pacchico, induce us to consider them as meebifi productions. We shall be reafter mention them under the name of "arrichnoidean granulations."

199. In some other instances the syschnoid was thick, opaque, and free from grammations. In two cases this double letion occupied the whole of its upper surface. In two others we found fragments of a yellowish and extremely soft false membranes. This was evidently very recent, and proves that the arachaoid, like other strous membranes, at liable to neuto inflammation during the last days of life, when measurion and weakness are extreme.

900. Pive times out of ninety-nine cases, there was in the upper part of the arachacid a little lampid or reddeh teenity, from those to five small sponsful (Ohs. 7, 12, 16, 22, 28). Much more frequently, and in about one half of the examples, we found in the inferior occipital force one or two spoomful of the same third; and whenever we intro opened the spinal canal there was a still larger quantity.

201. In three fourths of the cases, beneath the upper portion of the arachnoid, there was a more or less considerable seems infiltration, which we shall call substractioned infiltration. When very partial, it generally occupied the posterior half of the region we have mentioned. If more abundant, it existed every where, both in the intentions, and on the surface of the previous consolutions, and when very considerable, it was three quarters of a line thick over the lanes. The thicker is was the more entity the aracherist and pie mater could be detached:

2012. In twelve cases, or short one eighth, we found the pid mater more or less real, thick and injected. In ex of these the injection extended to the moduling substance of the brain.

203. Serous efficien into the fateral contricles was equally bequest with the arachaedous additation (204), and in genand proportionary to it. The general veried from one to five specusfid is each vestricle. The series fluid was generally limple, and me have never found it turble concer in three subjects, and in no one did we detect nor alteration in the structure of the arathereid, or of the corresponding cerebral substance. We may also observe, that the efficien was extremely slight in eases of sudden death, favoring the supposition that in the analysisty of incrusees it was principally produced during the last strongle,

Except in one of the cases in which the fluid was suchid, on have not observed any characteristic symptomic

204. We have seen three times, in the regions building about a spoonful and a half of limpid, surous fluid, and in there cases the subscarbooldran infiltration, and the effected of fluid into the lateral ventricles were proportionably considerable, and had attained the limits we have mentioned shope. The parates of the septimic trace firmer than much, and the

905. The cerebral industries presented tarious alterations. Founteen times and as almost and one, a way more or less injected. In five it was assolt softer than natural, and in our is presented the consistence of the brain of a new-lices infact. In a sixth case the softening was bounded to the left bemisphere. In these different examples the duration of platfant

varied from seven months to five years. We have six times observed the pulpy softening either of the fomix, septum lucidom, or the corpora striam (Obs. 2, 7, 15, 25, 26), and, with the exception of the latter, without any change in the color of the softened times.

IN PATIENTS WHO DIED OF OTHER DESIGNES,

206. These different modifications of the brain and its membranes were not peculiar to phthisis. We have encounsered them after a surjety of other diseases. The granulations of the araclmoid and lacorations of the dura mater were nearly equally frequent as in phthisis. In one hundred and fifteen cases, excluding apoplexies, softening of the brain, and typhus, there were sixteen examples of a slight clear or unbid scrous efficien over the upper portion of the amchaoid. This effasion was rather more frequent after chronic than acute discases. Nine times out of an equal number of casos, we have remarked a more or loss extensive thickening and opacity of the superior portion of the araclmoid. Four times there were some fragments of thin, soft, and yellowish false membranes-The subarachnoidean infirmation was present in two fifths of the cases, and quite as much in quantity in final and prolonged. acute affections, as in those more enoutially chronic, as in cancer, for example. The pin mater was more or less thickened, red and injected fourteen times; an almost similar proportion to that of phthisis, but much less frequently so than in cerebral diseases or typhus, in the proportion of two to seven. In these various circumstances the brain was more or less injected; effusion into the Interal ventricles was very froenest; we have remarked it ninety-two times, in different degrees, within the limits mentioned for phthisis, and it was

almost always proportionate to the subtrachnoident infiltration. In cases of sudden death the quantity of efficied fluid was hardly equivalent to two or three coffee-cup spoonaful, which fact seems to confirm what we have previously stated in relation to the period at which this siftuitm seems to take place in the majority of immances (2003). In lifeen cases the consistence of the brain was remarkably dissibilited, although less so than in those instances of phthinis already mentioned. Two only were soute cases; and as the number of the latter, compared with chronic diseases, was as forty-fire to seventy, we may conclude that softening of the cerebral subtance is chiefly confined to prometted cases. Lauty, we have observed six examples of partial and almost pulpy softening of the beair, all subsequent to circuit affections.

Thus whether the toffening of the brain was either general and alight in amount, or partial and pulpy; at was almost exclusively confined to chronic cases, from which coincidence we may suspect that both these species of softening are sometimes tembogous in their mature.

The morbid changes observed in the lexin, and parts conaccord with it, are then equally common after phthis and other chronic affections. Many of them frequently existed after prolonged acute diseases; only varying in their relative proportion.

207. The only lesions we have remarked exclusively in the brain of phillisical patients, are hydroids and tabercles. We do not comider hydraids as peculiar to phillinia, but from what has been hitherto observed, we are inclined to behave that this is the fact with regard to subsreles. We have already must one example of tabercles in the medulla oblungata (Obs. 6); we will relate a similar one relative to the brain and cerebellum, after having first detailed the only case of hydatids in the brain we have observed.*

"It may be presented here, that we arrive relates as present of hydroble in the barge, and too movely infer their emmeries with telescole from their accessional resourcement register. The fact is not without interest, so indicating a state of convergence inscribe in loss does production, and stronglishing the idea that there is nothing aportion in philoso, but that if depends on a generally decreased state of health. The optains of the Barce, is his move on Tuberculous Affections, and of M. Dapay in his That'd de Laffettian Telesconius Affections, and tributeless are rientical, are the reconstitute with face to ment discussion. They are very frequently associated together in the pig, which has probably been the source of the idea of pair being modifications of their differ. And of her suly not them fore as fire times in via discussion of their differ. And of his suly part them fore as fire times in via discussion Period, page 400.—Larmon, page 200, more by Transferier; the page 450, Op. Cit.—Cowara.

I I did not mean to point out on any regions in change of trimbless which I had made, but on the preparations I find it necessary to devote from this rule, because in his version the translator his, it my spinou, middlepresed our author, and has added the pute which, were I to publish it without comment, would still further lead to error. The following in the original French of the paragraph 297. "Les seules shirations que nous systembservice exclairement data le retreau das philologors, met des hydrales at this paleerties. Note no considérant per les hydrides roums: use fesion proprie à la phillaire, mais re qui a dité dis jumps'hei, shit porter à reales que as exceptive apportion over information. None event data we in example de carter fesion claus la mort/Variloug/a/Oto, 41," Mrs. Dr. Costun translatou the purrogs flow. "The only lostons we have removed exchangely in the Scale of philippinal potions are hydride and subsection. We shall not coneiter by detale se peculiar to girhies, but from what line hitherto been stseparal we see a wheel to be here their intimately connected with pulpodo. We have already seed with an example in the spinal macrosc (00n. 6)," &c. Now if the reader will compare the original with Dr. Cowan's translation; he will perceive that per only has the investige given a Wrong recoming to the passage, but in so doing him administral in Louise or openion which the works of the original by no more authorise. Leafer says publicly shout the exposate summation of taborcles and hydralds. Andrel, in the cases of bydatale, found in one alone taberries connected with them. - Chin. Mod. vol. 41. pape 400. - H. S. E.

EIGHTH OBSERVATION.

A STONE-CUTTER, et. 54, of spare habit, soher, industrious and seldom ill, lead how subject for more than three years to some throats, which leated from treaty-tout to tharty-sox hours; for a still lenger period be had been liable to sight diarrhem, coming on every month, continuing a day or two, and not secondarily with solic. Six months before entering the happital, he was suddenly stiged, without any apparent chase or previous cough, with Associationic, to the surrest, he said, of two quarter, and some days after he passed a large quantity by stoot. He had kept his bed several days alternance, and during three months could not continue his occupations.

Cough and expectoration had commenced with the hesmorthage or shortly ofcommonly; eigers, received by heat and perspirations, but come on during the last two matrix and since the rance period the responsion had been very laborities. The appetite had illuminated; must was disliked from the commencement; thirst, always very resolution; no pains in the clout or distribute.

On the 20th of Nevember, 1822, the day after his adminion, terakness, not extremely an headache; statilizance, artive; respiration, easy, with hitle heaving of the client; imperfectly returned pretoriously intures the remaind relorm and the supra spinous fama; respiration, course and head in the same region, elsewhere, natural; crugh; see frequent; expectoration numericable, surrounded by a viscous transperout fluid; some shooting pains in the lateral parts of the client; voice, rough and discordanc, so it had been during the last month. Sensation of ranness in the larynx during cough or deglatition. Temperature, natural; pulse, calm, regular, under severny. Tongue and appetite, natural; itale thirst; deglatition, difficult, although the pharynx and amygdale were perfectly healthy; the whole of the abdomen sluggish; had one stool of moderate consistence the preceding evening.

(Decorrion of linh, island; pectoral infinion for drink; gum petion; a fourth of home allowance. Four ounces of wine.)

The following month, slight general improvement; he felt better and was free from rigors; aphonia, occasionally complete. The appeals increased, and he had his food doubled.

From the 20th of December to the 31st of January, the day preceding his death, his intellectual faculties remained usuffected, he slept links, had no hendache, but became very gradually weaker.

The degree of aphania was variable; there was a constant poin immediately above the thyroid cartilage, with series of heat, especially at night; availousing the salica caused pain; natural state of pharyex and amygdala; increase of cough and dyspours during the first ten days of January; these diminished after the 15th, when the expectoration became more opaque. At the same since there was a consentral neutropain coversponding to the left maxima, minima distinct alteration of the clearness of precuriou in the same region. Under the left clavicle, to the extent of first inches, there were trached respiration and garging rile; this was equally the case posterionly in the corresponding point, though over a loss extent of surface. On the right side there was a miscous rile.

The pulse continued slow; the rigors returned during the evening, followed by heat and perspirations.

From the 26th to the 28th of December, violent colic pains,

succeeded by conious diarrhora, lasting from the 2d to the 10th of January; entirely sensing from the 16th to 17th, and afterwards reduced to two or three stools in the four and twenty. hours.

Tougue, constantly introd; epigastric region, from from pain; dimination of appears from the commercement of distribute.

31st. Sudden increase of debility; face, very pale; by complained of a very implement finling of struckness in the epignstrium; on percustion, under left elavishs for three inches, perfect flatness; sports, precaids and provide, with a slight pink tings on ideas, and of the consistence of pea-coup-Pulse, calm and regular; there was slight delinion during the night, and death took place at three, a. W.

Food was given proportionately to the appenite and state of the alimentary canal. At the commencement of the distributa, rice mater, sweetened with quince symp, was prescribed; afterwards, the discentium, with a grain of opium, is eight ounces of infusion of eachor, as some as a became considerable.

Opening of the corpue treasy-nine hours after death.

Extraton. - Nothing remarkable.

HEAD; - Strong adherious of the dora mater to the sagittal suture. No infiltration beneath the arselmoid. On the upper purt and sides of the brain, beneath the pia maters there were observed about twenty small vesicles; elevated about a line or a fine and a half above the level of the convolutions, while the rest of their substance was imbedded in the cerebran, which was perfectly healthy immediately around them. Their form was rounded, and they were of different dimensions. Three among them equalled in size a common fuzel-out; they

were smooth extensely, and each had a pedicle, from which a which and opaque monthsme, only partially covering the hydrid, second to radiate. The latter was fermed by a soft, thin membrane, containing a fluid which gave a cloudy appearance to water. The other hydroids had the same structure, but were a little larger, more opaque, and their surfaces were more or less rough, giving them commutat the aspect of a melberry. Benin, much injected; havral ventricles, pure varelis and combellum, natural.

Noce. — Total destruction of the mesons membrane on the larguggal surface of the epiglottis; the edges of the observation rather thick, industred and whitish; the bostom, sugged and pink colored. Two small, superficial observations above the supetion vocal cords, of which the left was almost entirely destroyed; the circumference of the observats greyish, and industred like land. Mucous membrane of the tracker, sed and slightly thickened inferiorly; that of the breachia still redder; both were free from observation.

Carrer. — On the left side, rather less than a spart of dary red-colored fleid, enclosed by a false membrane, which covered the long; displangmatic and costal plears of a florid sed internally, and about half a line thick. At the mount of the upper lobe was a large excaration, lined by a sewi-cartilogueus false membrane, reposing either on braidity palmentry tissue, othereles, or small multimotic mouse. In the rest of its extent, it presented a number of small and generally incompletely emptical cavities. The lower lobe contained mannerous grey granulations, without tobereles or excavations. On the right side, (with the exception of the efficient and false membrane, which thid not exist), the state of the long was very similar to, though less extensively disorganized, thus the left. Heart, sound; the sorts, below exclise trunk, presented manerous cartillaginous and moreous patches. The ferroral interies presented cogular and nature parallel moreous bands, slightly preminent internally,

Announts,—Gastric normor membrane of a light pick color or some points, a little solvered in the great cal-de-sac, but every where of materal thickness. To the left of the cardiar crifice store was an observation of half an inch in diameter, with irrogadar, sharing ofgen, thread by the uneven and thicknessed solutions to those. The nuccess membrane of the dac-drount, slightly grayish, with no other letters. That of the most intentine was assural, with the exception of two small electrosists, offering some semi-transparent arillary subsection at their surface. In the large intentine it was solt as marcan, and in many points of a violet red. In the recum there were tru small, submiscous absences, of the size of a per, and eight alcorations of similar dimension. The sphere was softened. The other viscers of the absence were healthy.

200. Hydatilis of the brain are extremely man; so much so, that at the period of our taking the last observation, M. Chomel had not men a single example. They were never entirely enveloped by the cerubal substance. They protested under the pio motor, in trinely an about, stery originated. The healthy confision of the derebral substance and mediately in contact with them seems to adende the downess of their increase, and the total absence of all excelual symptoms in also in figure of this idea. The putrent did not experience the elighnest replainly as

With the exception of todatide, all the other alterations, however manerous, gave one to corresponding symptoms. The aphonia was caused by the observations in the laryux. The pain beneath the thirted carriage and the dysplangus, (the pharyux and topsils being perfectly healthy.) pointed out, as we shall see (289), or at least gave reason to suspect, the oloration of the epiglottis. The attack of pleuritis was accompanied with a protty acute pain in the left side of chest. Pains equally scute cause on with the diarrhous, which, though only persent eighteen days, had produced the pulpy softening, and perhaps complete disorganization of the micross membrane of the color! In the midst of all these disorders, and at she commercement of two severe inflammations, which run their course rapidly, viz., pleuritis and enterins, it is worthy of remark, that the pulse continued calm, and the temperature was not closused! How numerous are similar facts, which prove that it is especially to the investigation of local symptoms that the physician ought to direct his attention, in order to make a correct diagnosis!

Let us also remark, that the disease commenced by a copicus immuritage preceding the cough and expectoration. Notwithstanding the assertions of the patient of his having vemited the blood, and although intestinal lacatorrhage succeeded in a few days, it is searcely possible to doubt that both were depending upon the lungs; first, because hamoptysis is frequently the precursory symptom of phthins; and it is sometimes so abundant, that patients both affirm and believe that blood has been scenited, although this has not been the fact; secondly, because the state of the atomach was not such as causes hematements; and because every thing clue is in favor of the idea, that during the humorrhage, and long after, this viscus was healthy. Lastly, because the blood voided by stool could very easily have proceeded from the lungs, some having passed into the stomach by deglatition.

NINTH OBSERVATION.

209. A sousse girl, ut. 19, with active intellect and retentive memory, born of healthy parents, but benefit of a feeble constitution, combining the lymphatic with the tanguineous temperament, and not subject to colds, entered the hospital of La Charité, October 1st, 1822. Her illness, dating seven months, had communeed by rigors, dyspania, loss of appendic, thirst, and a pulsating pain in the opigastric region. During five months, the rigors occurred daily without interruption, but were afterwards born pegular. The opigastric pain was almost comment; loss of aspector more or less complete; thirst, variable is intensity; neither names are counting. The dysponen had genfuelly increment; but cough and expectorstion had only existed the fast three weeks; and, twelve days before entering the hospital, she had been attacked with a slight hemoreyers. The catamenia had been supposed two months before her present illness, and had not since resppeared; at each measural period she was attacked with a headache, much more violent than usual as those periods. Bouvis had been always regular, and emanistics had commenced with the first symptoms.

Oct. Int. Intelligence, perfect; no businche; respiration, enther necelerated; ecogla little; spats, thecedent; percussion, every where summous; imperfect pertoriloguy between the shoulders; no thomaic pains; pulso, one hundred; appetite, moderate; slight thirst; soughe, rather red; cervical glands, unlarged and painful; a tumor in ambilical region, rather to the right, without tenderness, of the size of an ordinary apple; no pain in the epigustriam; bowels, constipated.

(Fifteen leeches to labin; gum potion; poctoral infusion Cequos ben

On the following days the appetite was much increased, and a fresh application of leeches was prescribed, on account of some streaks of blood in expectoration.

10th. Patient complained of acute paint in the right axilla, where the glands were much sularged. Drowsisens, face, injected and turgid.

20th to 25th. Intente handache; face, more flinked than usual; sudden flashes of heat more frequent, and more inconrement.

25th. Twelve leaches to labia without any relief; no seasible change in cough or expectoration; distinct pectoriloquy between the shoulders; respiration, tracked under clavicles; the abdominal tumor scound increased,

Nov. 4th. For the first time some liquid stools, and for the fast three days nocturnal perspirations; torsee in abdomes, painful

(V. S. ad [viij).

From this date to the 26th of December, the day of her death, the face was of a deep red solar, which afterwards changed to a livid tint.

Much department at times, and at other moments inability to sleep; beadache, nearly consums. The detaility rapidly increased, and the patient was wholly confined to her hed.

The sputs, occasionally viscous and sputsous, became opaque and streaked with blood, swenty-four hours before death. Dyspanen, most and more urgent.

Dec. 1st. Complained of burning semation in the course of the traches, which semition was experienced often afterwards. The rigors, which had returned almost daily since her entering the hospital, persisted. Copious perspirations during

sleep, which did not yield to successively increasing than of secretar of leads.

The diameter, with remained robust manimals. Complete amoraia from the bit of Distributes are consent, comitties, or distinct spagnatric point. Therei, at last, very argust a and on the diply the rounes, which had been a binish or slightby and for some time previously, mounted a dult and color, and was covered by a comber of mult, white, spager, almost arrange point.

From the enumerous of the degram, the patient was treated by the trafer, and treed addressed spring. Small date of group of papers on a possible for the millionness, but such faith occurs. The first constant of name year ereams, and occurrently books.

Opening of the corpus thirty-three hours after death.

Expension. — Introduction making assume extension. Union. — At the process part of the right homophers, the artificial was allowed to me, developed acts the terface responding to a multiload tomes, developed acts the terface of the brain, and about the actor's moreon and. It was of a shall promish-yallow color, fam, in every respect inherenbow, and not mayound. Record is the content adminion was brainly. Between the appear action and lateral consider of the more brainplease, five morter total the country. On the lots and others were hear, and our of their compile the posterior and inheritance of the optical distance. At the best of the posterior loss of the same loss part of the optical distance. At the best of the posterior loss of the same side, a person of the cerebral structure was transferred into information matter, under the form of a layer that loss thick, and so inch and a buff in restrict. It was partially allowest to the data mixing

which he above the cerebellies, the corresponding layer of which had undergone the same alteration. Lastly, at the nferior part of the left lumisplane of the cerebellum, a acoencysted tobercle, about the size of a not, extended to the spinal mirrow, and even to a small degree, into its substance,

NECK. - The cervical plants were very voluntinous, completely transformed into crude tuberculous matter; laryer and eniglottis, natural; mucous membrane of the trackes, intercely red, especially posteriorly.

CHEST. - A mass of industred, tuberculear, lymphasic glands, about the size of a goose's egg, in right axilla. Univenul cellular adhesions of both lungs. An extensive anfractuous cavity in the summit of the left lung, containing a small quantity of red flaid, and traversed by numerous bands or intersections of grey substance. The parieties were formed by a semi-cardiaginous false membrane, lying upon tubercles and the grey, nemi-transparen uniter. The remainder of the upper lobe was almost entirely transformed into the grey or inherculous matter, and into small excurations, between which the pulmously parently ma was of a deep red color. Preny pemerous crarle tubercles in the inferior lobe. Similar lesions in the right harg, but has extensive; two softened subordesprotraded on the surface. Benefits, of a bright and color, communicating firely with the excavations. Heart, rather small, but healthy; norts, natural.

Announce. - About a quart of limpid terum in the peritozeal cavity. The liver, rather larger than usual, presented twelve small cysos, two to three lines in dimerter, and filled by a greenish, pulpy substance | their panetes were very thin, grevish, and easily tom. Parenchyms, healthy (bile in gall-Madder, black and thick also meacle. Mucous membrane of Annual and of med comistones on the

anterior surface, to the samue of three better; it was pale charakers, and very inft in different partient of the great exide-car. There were is the dendroom up small alcorations, from a line to a line and a half in diameter. Others similar to those were dispersed through the whole length of the small intention, either necepting the patthen or tinned in their interests. Their edges were eather prominent, and the hottim hed by the thickered misseges sper. The microsmembers of the last parties are sed to the according colon, which also effered two words, inpoficial observations; clienters it suspett, and throughout re toll in norm. The mesonorie glande trom rolumiscos, trol, and to part lidercalons. The issues, felt in the auditical report, was admitted above the process, equal in war to the shur-hard, formed by the re-union of a large number of jahorenlated, lymphatic glands, connected inferenty with the lambar glands, which were similarly affected. Notice our softeness. The spiece, of ordinary dimension, summered assessment mand interesting turning from the size of hump-need to that of a small out-The other vice in of the abdomin non-healthy.

urn. The most striking flax to this observation is not the development of subsectes in the brain and constitutes, but their similtaneous existence as a summty of other organs, as the longs, seek, right axilla, measurery, howe not sphere; and, more repetially, their equal development overgrature, with the exception of the longs.

We do not are less any explanation of these facts can be attempted, unless we admit that action of one and the same excess upon all these region at the many time. For if the alterations of the small intestine were the only name of the convertion of the messentene glands into taburcles, how in the

explain those of the brain, wills, or spleen? How do we account for the similar state of the tuberculous matter, every where manifered, if the causes of he production were different, and the time of its deposition not identical? Under no hypothesis can the state of the small immattee explain the tuberculous transformation of the glands situated above the patterns, since the tumor axatted previous to the entirance of patient into the hospital, long before the commencement of the diarrhers, and, consequently, at a period when the sweeter membrane of the small intention was still benithy. And let not this be considered more conjecture, for the inconsiderable size and structure of the observations of the small intention are sufficient proofs that they were recent.

Let us also remark that the tobescaless matter was racec advariously in the lungs also cloroliers, which, in this instance, as well as in others, favors the idea that, with request to inhereles, that whole economy is, as it were, in subjection to the lungs.

211. The feweres of the symptoms cannot by the taborcles in the brain is also worsty of attention. The increase of brailsche at the manernal period, and the sudden flushings of the face, can secreely be ascribed to the presence of subsceles in the brain, since the pain complained of in the corvical glands might have been shair cause, or at least have had some influence upon their production. If we reflect also, that the intellectual faculties and the voluntary presentants were never affected, the symptoms we have mentioned, if depending on the brain, were at least very insignificant. It will at the same time be granted, that if subsceles and hydatide can be developed in as latent a manner in the brain, the same may take place in the large; and we ought not in ford surprised that pathner may remain concealed, as it were, during a variable period of time. The proposition, which we shall hereafter trengthen by monerous manuals, in restand to the case has few us, the from the manual of the monerous of the process into the lampind, premissions granted to distanced, while the rangh had only extend a Sew days? Most probably three were pultimenty takening from the monerous money, that is, is soon as the dyaption and force were moniformly for the money portant element assume of the victoria, we then if the large, can alone explain the first symptoms.

SUMMARY.

212. It is sufficiently obvious, from what has presented, that the pulsaring organs were not the only ones whose from time true impeded, has then others were the seat of some size marked alternoons softened alternoon produce death; and that almost all recommend to have the first convergence. Their rapid survey will give a shound bless of the whole.

Tuberder and polymerry occurrations were in our troth of this cases expressed order with recent inflammation of a postion of any ac basis large, of the phone, or with the official of a modelic quartery of hispid third may the decree exercy.

The meters presented discretions, where of very great cases at maker less than one third of our discretions. In recommendations was morely melibroid, correspond dightly softened, or thickness in our fills.

The larger was observed in rather more than one 60th, and the epiglettis in a nearly source properties.

The percentere contained a started quanty of very conthat in use wast of the cours, and promoved traces of choose or recent inflammation in many others. The heart was rather frequently softened; the arra, red in the unjointy of young patience, and its structure more or less modified after the age of forry.

In one twelfth of the patients the stomach was very much obtated, and situated lower down than natural. Its mucous membrane was red, nonetimes manifated, a little softened, and thickened autoriorly, nearly in the same proportion. In one fifth it was more or less extensively softened and thinned. We found it in the same proportion very red, softened, and sometimes thickened in the great enf-de-sate; it was alcerated, of a more or less greyish tint, and manifated in many others, &co.; so that it was only healthy in one fifth of our examples.

In the small intention there were obserations, varying in number and extent, in five sixths of the patients. They were nearly as frequent in the large intentine, of which the assesses membrane, often red, and is one half of the cases thickened, was announthroughout in whole extent, or only over a part, of the consistence of micus, so that we have only seen it perfectly healthy three times.

The tuberculization of lymphotic glands was Jess frequent in the neck, loan, mesocolos, and axilla than in the mesentory, where it existed in various degrees, is one fourth of the cases.

The liver had become affipous in one third of the examples. The parieties of the gall-bladder were occasionally thickened and observed, and when this was the case, as also under some other circumstances, it contained calculi.

The spleen was softened, and order or above its intural column in a great number of instruces. It was tuberculated in one sixtle. The last alteration was nearly equally frequent in the kidneys, where we constinue discovered cysts.

In many individuals the practite was toborculated; in our of these there was an example of toborcular excitation in the interior of the vertexlar mentionles and your deferentia. We have once seen the internal nuclear of the union corresponding subseculous matter.

From one to tox quarts of clear scroon offerion in the abdoness extend in one fourth, and a small quartey of par, or some false membrane in the polys in hier others. We have seen several cases of tobercular periodisis. In one the great omentum and mesocolor presented a suitance of grey, blank, semi-transportent and tuberculous substances.

The corebral aracherial was often partially thickered, presenting more or less numerous granulations in its upper purtion, especially near the false. In two cases it was lived by a yellowish and soft false menshrape. The times entiting it to the pia mater was inferented, and the controlles distributed by a very approachle quantity of arrors in their faunts of our examples. The same third was found in the accepted inner, but less frequently and not so absordantly. In one accepted the brain was injected; in one intersects its communication examt. Its partial and pulpy softening was observed in the name proportion.

All the serous membranes, the arachmost, percentum, please and performent, were thus very frequently the seat of efficient; and it was to the lateral centricles of the bean that this was most generally observed, at least when copious.

The same membranes were also liable to acore influentation, coming on towards also alone of life, and this was most frequently the case with the pleases. In some instances, camp of the morbid states just glanced at, as the softening and thinning of the passic reason membrane and the abstrations of the intentions, were sufficient of thermselves to have raused disath, independently of the langu-Housever conditions with about, above were solve lessons. The arrenth observation families at case is selecte all the vaccura, with the exception of the hidneys, were more or less extensively affected.

The point to which the communicate of these different alteration could be referred, was very variable. Presumonia, pleuriti, softening and reduces of the great subdenine of the storage, pulpy televining of the colon, perioditis, arachitis, partial and pulpy referring of the brain tenginated a few days previous to death. The presser part were the much of inflammation, plainly parting that steakness, so far from being an obsenels, in, on the contrary, furnished to inflammatory serion. The octor alteration dated much further back, non-minutes to the exemperement of plathisis, as, far instance, softening with diminished thickness of the mucous membrane of the turnion, and in some cases, the large intentinal ulcerations (Obs. 4).

These various morbid changes prounted a two-fold charactor; some were peculiar to plathing others were not so; but were persont in different degrees, after a variety of other chronic affections.

Among the first class may be unuserated alterations of the largus, and more especially of the maches and epiglotis; alterations of both intentions (principally of the small); the adipose state of the liver; so that by usuing an observation in either of the organs mentioned, &c., we resid be able to assert, independently of all further investigation, that the patient had died of phthisis. These alcerations, wherever they were sinused, in their mode of production presented many points of recombiners. When the missour municipane was distroyed, the advances beyong architely thickened and become analysis; after a fine of observed, and then the normalist root is as non-logar to thicken; this was, like the family interquently destroyed (though in text distribution can extraord) root; as that in proportion is one of the root of the interior increase above and, the accreecing one thickens), and by these opposing practice missioners to its destruction, presented the final semi-nature.

The hat muchal alterative was precise to phillion, vis., tabardes, when verthey wight be bound. We have neverthserved them in a single instante in not organ, without their existence in the hops | so that their preserve to these left. violent neem a necessary condition he their evenleptons in other parts. Another fact which storngthen the oler of time dependence in that with one longle exception, on horselance seen the information waiter more who much be the force than cheshing and man introdes costal at the same tree or different parts of the body, they some at the bean degree of development) and it would be defined to expression of the uniformity, in path to distant one from mother, to know in classture, orders we adoug the influence of one and the same a took, arring simultaneously on a great market of organi, those making tubercalous deposition quite independent of those occasional cames see are age to suppose mine in rectan-LINES.

As our object, however, is not to support one opinion more than mother, we will remark, that we have found one exception to the law we have combbelled. It was not some of applicaNo subsectes existed in the large, and yet there was a small quantity of tubesculous matter in the measureric glands.**

^{*}See Appendix A by the Translatur for some valuable semasks upon the development of inhereten \rightarrow H. L.B.

SECOND PART.

SYMPTOMS.



PART II

BYMPTOMS

213. In this division of our work, we stall unconsively describe the symptoms of platfinit, and these attending its different complications, the variances is present in its progress, when scare or latent; the circumstances attending the performant of the paintenancy parameters and sadden deaths; after which, we shall examine the causes which are generally considered as influencing the development of indevelopment in the image; and, finally, we shall beauty speak of the treatment.

CHAPTER L.

SYMPTOMS OF PHYTHISIS.

214. Prove what has already been said, it will be some him rate it was to find a case of platform in which the concludation-tions were confined to the longs; and it neglects throught almost impossible, judging from the one transferd and transpicture charavanous we have collected, to give the binary of the disease in a state of simplicity. But let us remark, that it would not be right to view many of the better we have demanded in the light of complications; as, for instance, the observation of the trackes, laryer and up glottic, of the small and large in-

testine, and the afispons transformation of the liver; for these alterations being peculiar to plathinis must be regarded as a part of the disease itself. We may also observe that pleurisies, pursuments, &co. &co., coming on in the last periods of the affection, do not interfere with its simplicity. We have thus greater latitude for forming our conclusions than might at first be naticipated; and we are madded to found a general description of the disease upon a large number of facts. To adopt some method in the description of the symptoms, we shall follow the example of Lacentec, and divide phthisis into two principal stages: the one auterior, and the other subsequent to the softening and exacuation of the subcreations matter of the hunchia.

215. First Stage, — In the majority of instances the cause of the disease was unknown. One third of the patients acceived the list symptoms to alternations of heat and cold, to which their association exposed them; to draughts of air; to immersion of the feet is cold unter; to drinking cold water other persparag; but the greater number of them who referred their disease to draughts of air or alternations of heat and rold to which they were exposed by their profession, were far from being confident or positive as to the accuracy of their statements; it was simple conjecture on their part. A very few referred, with considerable precision, the first symptoms of having taken cold, to twenty-four, thirty-six, or listly-eight hours after the application of the cause to which they attributed it.

216. Whether an apparent came did or did not exist, the affection generally commenced with a slight cough, at first exciting no attention, but it was regarded as a simple cold, to which many of them were subject. The cough was usually accompanied with clear expectoration, like frothy railing, or (as existed in our tenth of the cases) it continued free from all

accretions during using months. In some cases it come on inpersystem and made rapid progress. After a remain time. the spots were less about slightly governals, and a little opaque. They composely changed their characters in the second pafied. In some sommers, the first symptoms ware percedual by a more or less expious homospiesis, or this inner company. commenced at the same time with the root. The beauting was not at first sensitly affected, and be some patients dyspotra was only complained of at a somewhat advanced period. of the docume. Very frequently there were carrally acute pains between the shoulders and is the sales of the thirty. some time after the commencement. If in the stage of the complaint, we assented the patient, the respiratory ministry was not sensibly clanged; at least this was currounly the case, especially when there were only gray granulations. In other cases, the respiration was feeble under one of the abrockes or in the same region; and or a very limited space, there was a alight mucous and sources rate, with rather bee cleamers on percussion than on the opposite roles.

217. To these heal symptoms over solute comments of different fractions. The minute, from the communities of imperator, their were alternatives of imperator, and right perspirations; but most frequently these came so at a more advanced period, and generally in the second stage of the discuss. With very few exceptions, the appoints was at first straffected, but afterwards gradually demondred. If the range was violent, it constitues caused vessiong after fixed; and when this only was the cause, the sickness was of even daration. Very few had discussed, the sickness was of even daration. Very few had discussed. The amount deminished more or less rapidly, and emeriation was now assessed with the other symptoms, though at first he progress one very gradual.

218. Second Stage - The cough was now smally more frequent and more soccurrenient, especially during the night. The spain assessed a greenesh color, were stricted by yellow opaque fores, free from sir, and presented a peculiar appearance, being of a mended shape, and as if tom on the edges. Occasionally, feats the suffactors of regimen and demolerate, some of these characters disappeared, but ideour or later again returned. Towards the close of life, they frequently resembled pen-sup with a greenish or groyith finge. Lastby, they were often mingled with expectoration, similar to what is observed in the first stage; hamoptysis was pretty frequent, but in general not copious;" the dyspatra was in proportion to the progress of the disease; the pains in the thoma. were often more neute than previously; sometimes there were very urgest pleasure symptoms, demanding active treatment. The patients mostly lay with the head low, and the deculiture varied; however, in some cases it was exclusively on the side opposite to the large excavations. By ameultation, more or less evident pertorilogoy, gregling ride or tracheal respiration, could be detected in one or various points, corresponding to the summit of the large, and in one third of the exers peremilia has hill under one claricle, and quite frequently to a considerable extent. It was also in this stage of the complaint that the symptoms peculiar to obcerations of the epiglottis, hayux, and the different lenous of the mucous membrane of the stomets, developed themselves.

219. In the greater number of instances, the lever was continous with occasional exacerbations. These occurred in the evening, with rigors, heat, and perspiration. The thirst was

At this state of the discuss formaphysis in any extent is vary assessment.

— Laurence, page 548. — Cowner.

trigent, except when the progress of the disease was very slow. The appetite, which was in general variable, demonstration as debtity increased, or even in some examples the anomoration was locality, or only presented traces of mount and unimportant besides. In a small number of cases the alving executations common regular until the ball. Many experienced durables treasty or there says only before death; but in the antionity it communical very much carlier. The some cinties made rapid progress, and other more unexpected accordent intervened, as, for example, profession of the substance of the large, death took place in the last stage of marriems, without any disturbance of the involvement faculties.

220. The duration of each range was very carable, and proportiones to that of the disease inell, the lumin of which are shown in the following table. —

Bysidecan	Section 18	Sterroom of Age	aber it
Mar have	Whaten.	H Months,	-15
24 Days.	100		-
35 Days,	- 7	12 Member	2
50 Days.	3	12 Morths and a half,	
Ad Days,	1	III Months und a kali,	1.1
St Days	31	14 Months,	11
3 Monthit	. 2:	14 Mouths and a half,	11
3 Months and a fit	16. 16.	15 Months,	a
	- 0	17 Months.	0
4 Musche,	AF 18	18 Months,	1
I Months and a la	00 2 00 0		1
5 Months,	- 9	19 Manto,	1
5 Months and a lo	15, 15	20 Months,	-
6 Months		2 Years.	2
- 0. Morrise and a he	S. 1	2 Years and a ball,	12
7 Manche	N .	3 Years.	4
7 Months and a h	dr. 5 - 1	L'Years,	6
S Martin	1	5 Years	2
	7	10 Years,	1
9 Meeths.	10. 1	12 Veins	0
9 Mouries and a in	at, a		7
10 Months,	1 3	14 Years,	
10 Meeths and a bi	W 1	20 Years,	
The state of the s	-		-
Total.	GX	Total)	0.1

×

That is to say, out of one hundred and fourteen cases, the duration of which has been determined as accountely as possible, rather more than two tenths have theil from the first to the sixth month of the discuse; four tenths hom the sixth to the twelfill month; rather less than a fourth from the first to the second year; and less than one fifth from the second to the twentieth.

\$22. We have endeavored to discover relative up: had any influence on the more or less rayid progress of the affection; and we have never found this to be the case, unless, pethags, in some instances of very across phthisis.

\$22. On the other hand, the influence of sex appears entain; for if the proportion of deaths in male and fourth phthasical patients in rebots the disease leve lasted some than a year, was equal, it was as thirty to forty-two, when death occurred during the course of the first year.

Perhaps this difference may be explained by considering that the adiposes state of the liver, and the softening with diminished consistence of the gastric mucous nearbrane were notes more frequent in women than in man (89, 161), and that these becomes must recoverily have accelerated the fittal caracterphe.

253. As so the mortality from plathisis compared with other descript, it was nearly as one to troa; for out of show homeded and fifty-eight field cases in the marts of M. Chemel, during three years and a fielf, one hundred and thirty-five users plathistical; the remaining two hundred and thirty-five included a variety of other discusses. And if to this number of plathistical subjects, we add those who, dying of some other disease, had inhereness or subsrculous savities in the longs (via. 40), we find that out of there hundred and fifty-eight cases, one hundred and sixty-these, or nearly half, presented pulmonary tubercles in the longs, and were really consumptive! This

proportion is immorrow; it does not, however, undule a comparing with all those excess which are necessarily faul, is the setual may of our knowledge. Let us now successfully study the symposis we have commented,

224. Caugh. - It varied much. Some patient only enighed mounds the visue of his (Ohe 31, 32), shinsighearlies had evalual for some time. Others, and they were not surrown, coughed very links, or even after a certain time, not at all, such the feature approached its terminating, although there so sned to be a inheredour affiction from the beginning (Ols. 30). The power port complemed of a moddening usuals, reportedly at make, forcing them to yourse. to opine in about shop, which did not always regard. This enough american same on in purery one, owned a good shad of desposes, frequently consider, and on asymmetry unanation in the opigeorium. In granul the violence and bequency of the cough were in proportion to the non-order rapid progress of the state.

the Ligaritation .- The parage from the first stage to the second was, or we have already chimned, indicated by a remarkable stungs in the uport and form of the spain-From being white, nuceus and symmer, they became groupish, epaque, depresed of air, and streetled onto more or box numerous, full, yellow lines, which made them sometimes seem composed of many colors. Asscultation of the summit of the large detected resonance of the voice, pertorilogar, or a very strong requiratory manuar, as if tracked, often mingled with a pargling, or sometimes with a dry side. We occurioually found among the spure fragments of a white, opaque substance, resembling (as Bayle has remarked) boiled rice; but this was rare, and in the reajority of instances the striated sputs were alone present.

After some time the striated appearance and the occasional fragments of white substance council to be observed. The expectoration became uniform to composition, and segamed into rounded, distinct masses, with their edges as if from and florcolem. These masses were heavy and more or less consistent; they did not sink always, but floated sometimes on the surface of a clear liquid, which was expectorated with them. After presenting some time a greenish-yellow tinge, they assumed a greyish, dirty appearance, very analogous to what we find in old tolerculous excavations; this took place towards the close of life, from filters to towner, or, most frequently, only a few days preceding death. They then daninished in consistence, spreading out on the sides of the spitting box, recombling the pulp of boiled year, and were occasionally streaked with blood or surrounded by a pink areola. This latter color would no doubt have been observed more frequently, if the patients had continued to expectorate during the last twenty-four hours, for we generally found, after death, the bronchial moconities more or less tinged with blood.

226. The union of all these characters is sufficient, without other examination, almost certainly to indicate subseculous excuration in the longs. We lay seem upon mlt. for green, opaque, benegatives spiral exist in chronic and somewise also in acute canarit; but they are not then iterated; and do not contain these wirse particles we large described, and are not usually indistinct masses as in plainias. The rounded, numbrable of the (peloponies) of the spiral in certainly one of their most valuable peculiarines with regard to diagnosis, and in two very remarkable examples (Ons. 30, 33), both to M. Chontel and comologs, it was the first indication of a tobercular affection.

It is, however, right to mention, that a few days before death, we have in two instances seen the spara thus nummulated and upaque, although no taliercies, subcrealous excuvations, or dilated bronchia axisted in the lungs.

227. The expectoration we have described, with the exception of these cases, was constantly present. In these instances stalways continued macros, spanson, which is slightly yellow, or over greynly semistransparent, as if sittified, without over presenting that separation into distinct measure, which as have shown to be no important.

In the majority of instances, the greenish, opeque, stricted synta, were associated with a success, symmeter and more or less viscous expresention, retaining the characters observed in the first major; or, instead of this, they floated in a clear, this fluid, like saliva. Sometimes they were dry, as it were.

228. The quantity of the expectorated matter varied at different periods of the affection. In the consumeroment, if the progress was rapid, it was conscious very alreadant, from ten to twenty owners in the fase and twenty bours. In the second stage it was into reposts, unless indeed the expectoration of the first period was prolonged in conjunction with that of the second. When this was not the case, it very frequently impressed, that the bottom of the spitting ressel was reactely covered, and we have never seen it completely filled. A small number of pations only expectorated a few soluted spitts in the twenty-four hours. In two incurrent, during some days, all expectoration counter. A third (a familian of energing a woman,* who had large substructural a secretarious in the

^{*}Value are the observation in Message stee for Principal research of the Publisher, Rechards on the descent Adulator, page 1000 — Lorent — This recently quantity also principal of this affection, reserve of securing during the course of other describes; then in professe, there is replied a securing during the course of other describes; then in grations. The program of the frames was not affected by the complications. The response were

lungs, and whose illness shated nine months at the time we observed her), mover experimented at any period of the dissure; and the care we sook to accertain the converteess of this fact also reason in of its truth.

After continuing for some time growth and apaque, &co., from the inflance of repose, regimen and denulosate, they were more or last modified; they were less opaque, occusionally vicefied in appearance, retaining or losing their rounded farre, and after some time penning their former aspect.

429. During the first stage, when the expectoration is mueous and spanners, the garging and percentagor are absent, and, consequently, there is no executation; the spata; therefore, could only come from the lowestin. At a more advanced period, they were at core the product of broachint secretion, and of the contents of the inherculous excavations. Of this we have proofs in the charge in their physical characters from the moment that pertenlargy and garging amounced the softening of tubercles, and their communication with the sir tubes; and more especially in the resemblance of the yellowed streaks we have described, with the liquefied, tuberquloss matter, such as we find it in recent excavations. Still later in the discuss the same double origin is oxident, if we recollect that we frequently find in the broachia communicating with the

age floors, been, reduced of the phospax, i.e. such dysphagia. Then pass in largest and tricken, grainfully increased abivation of the trace, with dysphose, maximity, but very randy with parexysms of reflection. The formation of the fide members true alongs from where deservereds, remembers summaring in the most flower. The deriction vertex from text is eight days; only one recovered. The absence of sufficient proteyrous and the formation of the fide members from above downwards, stem principally in daranguals is from the same affection in children. — Cowwell.

excavations, a substante precisely analogous to the contents of the latter | that towards the close of this this substance is not seasibly different from the expostmation; shorthe differences to frequently observed to the reades of nonsultation before and after exposteration suppose none change of proportion in the fluid-contained in contains and, moreover, that it is impossible for horselful to communicate freely nich excavations, and not receive by the impulses of the cough, a contain portion of their consense; and, lately, that the mention of many of these openage at the inferior part of the excavation above that imple gravitation is often sufficient to produce the name offset.

There reflections are strongthment by the published state of the broachis is a great number of range. We have, in fact, turn (36), that when they were intensely red and much thekered, it was not in the neighborhood of states of grey or inhermalists matter, but in that of the large excessions parameters which cannot be easily explained, unless we whall the passage of the contents of these structures into the broaches.

230. From the show statements, we think it more than probable, that the violent inflammation of the benedial nurcous assemblence, at this maps of the disease, considerably modifies the expectoration; that at a certain period, the opaque, greenish and greyish spata are equally the product of broachial secretion as of the currences pariotes; and that links or no difference exists between the matter bounded by the one or the other.*

[&]quot;It is publication to be trained a principle of the experimental relation in particle is the trained at the experimental from the ex

If means agree much the translation, the in appears to meet that it is more easy to easy the proplanties of the experience of an experience of the large of their descriptions, or the exact of tray fraction on the large. According

231. Hemoprysis. - It was present in two thirds of the cases, fifty seven times out of nighty-seven.

By copious homographs, we understand the expectoration (in a few missors, a quarter of an hour, half an hour, or an hour), of several ounces of more or less liquid, apamous blood, occasionally dark colored and congulated, and sometimes accompassed with contractions of the displangm, which induce patients to suppose they have ventiled the blood. Hemoptysis is inconsiderable when a few monthful of freshy blood are rendered either pure or misgled with the expectoration. This may be repeated for several months successively. Both kinds neutral equally bequent. Out of fifty-seven patients, the harmoptysis was copious in twenty-five.

232. Copious or otherwise, it sometimes preceded both the cough and expectention. This was the case with twelve of our patients, and in eight out of these the humorrhage was copious. The quantity was more frequently aluminat (in the proportion of none to seven), in the course of, or at the commencement of the first stage of the complaint. Bloody expectoration was rare towards the tenzination, when the patient was very weak. We have only observed it at this period in four cases, twice copious, and twice in small quantity.

233. Are we, however, to consider the hamoptysis, especially when copious, which procules cough and expectoration, as the precursor of tobercles, or simply as a symptom which reveals their presence? For actually three years we have constantly questioned every patient under our care, and who was attacked with any other disease than philinin, if they had ever

gothing of various means which are now present of verifying our results; be, therefore, right not to be quoted upon this question. But an unsecurerable argument upon the increasity of accusin attention to spate will be found in the last frue lines of paragraph \$20. — II. J. II.

spir bland, and we have invariably received anyone in the negative, except when external violence and been record on the cheer, or when the external red toos scalabely appeared. Patients indiject to have this storing many goors, and whom breathing was outally free, had never and homopayer. On the other hand, no have non-more industrial orth industries in the large, who had never experienced my direct symptom amounting their parameter; no that metring means in he has surprising their parameter; no that metring means in he has certain period of their controver, so a sagile symptom, and in particular to expectoration of blood; we therefore think that homoptysis (with the exceptions already mentioned), whenever it occurs, renders the procure of inherebe in the heigh infinitely probable. We finit our conclusion to probability, for many well-unusted facts appear formance exceptions.*

Analogy, moreover, is in five of what we advance. For, when hamorrhage occurs in any internal organ, it is almost contantly a symptom of more or less considerable alteration of attactore. Let us said also, that when hamopty in presented the other symptoms of tubercies, it was extraionally followed by dysporus; it came on soldenly (Ohn. 82, &c.), usually when the patient appeared in perfect health, nothing

^{*} Palesmorp apoplety has been considered but his factors and others, or a frequent state of homoglysis. All, home, from the consideration of factor, thanks the considerate cours; he has keep frequently more than home as her on his magnetic had taken given.

Diperturphy of the left specials were married to comply a carry production in the complete special production of the complete special production of the prod

previous phonomena, or any apparent cause; and it is not unmatural to suppose that the then concealed cause was identical with what subsequently reproduced the symptom. But we shall confine conscious to these few seffections, which are indelged in rather to excite examination, then to supply faces.

234. See had an avident influence on the occurrence of homophysis. It was more frequent in women than in ratu, in the proportion of three to two. Thus, out of forty-two women who were merchilly questioned on this point thirty-six had expectorated blood; but out of thirty-right men, it was to with only twenty-one.

935. The properties of lamsophysis in different ages was not the same in both sexes. Our third of the female patients, between the ages of nineteen and forty, had not experienced it; while, from forty to sixty-five, it was only almost in our seconds; an inverse proportion to what ought to have existed, if, according to the opinion of more physicians, harmophysis may be considered in some cases as a supplement to distinished as suppressed camatenial discharge.* In men, or the contrary, the proportion was assauly similar, either before or after the age of forty; so that out of modes cases above this period, six had aspectorated blood; and out of recenty-six below forty, fourteen. Should the multi-purpose of the focts we have analyzed be deemed insufficient to establish antisfactorily a relation between the age and the frequency of humop-

^{*} It would appear in as that the age from firty is staty-fire was must faith to maintened statestones; which, if not mustly to reduct to it is entere age, is at least non-general. Perform that sizes of the majorite is imported by what the writes may faither on, that the majority of the cause of hermophysis was assume radial constitutions. — Now are.

typic in although the it will be from surve to the the attraction of observers, and minutes show to further investigations.

236. The up around without evident inflation on the quantity of blood expectanted part the frequency of as reservoirs record to depend on the duration of the masses.

237. We have also endearoned to decide whether there existed any connection between humapeyors, and the strength or weakness of the general constitution. Our of furly-right cause, humaphyor accuració in an usual number of fields and more constitutions, though among the women there was a producionness of solute constitution.

20th. In some instances, employed temorphy or only secured takes; it was solden expended these, fixer, or a greater number of times. The following observation, while an example of this description, will also function or instance of the very new face of the symptoms of typhus forest among on during the last stage of maximum, and after very copious expressions of blood.

TENTE OBSERVATION.

A yorso man, at 18, well made, tall, such black bair, impersoon temper and moderate corpolercy was admitted into the hospital of La Christi. November with, 1921. Bean of healthy parents, and subject to dysprom from he industry, he was mixed in the and of Outdoor, while in perfect books, and without any appreciable cause, with a expirate health, and without any appreciable cause, with a expirate health, and without any appreciable cause, with a expirate health, though a diministral quantity, until the last few days. Cough had commerced with the hemophysis, was accompared.

nied with some expectoration, and coused little inconvenience. No pain in about, heat nor rigors. Some sensitility to a low temperature. The patient had refused every kind of treatment, communed his usual food and occupations, and decided very reluctantly to enter the hospital.

27th. Expression, rather lively; general strength, only slightly dissuished; breathing, little accelerated; cough, rare, and excited by lying on his back; expectation, viscous, yellowish and spantons; some of the spans of a bright red. Cannot lie casely on left side; percusson, rather duller under left claviele thus under the right. Respiratory number, occanionally absent in some parts, and on the lateral parts of the left side we heard with the stethescope a sound very similar to that caused by a habible of as when agitated with water in a moderately sized tube. Pulse, colon, rather full; temperature, natural; torque, clean; appetite, good; no shirst; abdomen, yielding, not painful. Slight distributa the list two days.

(V. S. § viii); barley water with gam symp; gum potion; a join of milk; one forth of bread allowance.)

No evident change the next day. 20th. Very non after the visa, he was attacked with a copious humoptysis, enimated at 5 sj.. Blood, dark-colored or bothy, and bright and. Respiration, as before. Autoultatory phenomena, as before.

(V. S. S vij.; blister to the left erm; barley water; mucilaginous mixture and soups).

30th. First hamoptysis, accompanied with some of drags ging at opigastrium; no increase of cough, no name of heat in client, and no provious rigoty.

Up to the 8th of December, he merely expectorated a few spara tinged with blood; but on the morning of the same day, while perfectly qual, was seized with an homogenic store copies than the fine; respiration, weaker processely on the left side than on the right.

(V. S. ad 7 x9).

The next day, dight someons of them, with difficult deplation; third, not organ; bowels, regular; heat of unface, every whose natural; poles, escalament's space, white; face, enactions, and of a dall white supers.

From the 9th to the 15th, there expires homopayers make place, which were treated by two blandings and a logic biliner between the shouldens. On the 10th, special materially thick, yellowals, and imperfectly divided into district partiess (peleconder). During the following fifteen days, they pratented merely the same appearance: breathing was mane oppressed; the cough increated in rinderes; hast of natural alightly eferated; night perspiration; the appeara improved; the food was gradually augmented; and or 25th, the patient took daily a quart of milk with four amount of breat, and naturations rather more.

Jun. \$1. Considerable dyspozia; cough, such more when lying on the left side than on right; no ride could be beard anteriorly un assembnion; poler, jurking and pently frequent; the lively expression had given may to shall of seamous; he had arrively left his bed for some days; considerable sunciations

(Two nee ereams).

From the 2d to the 3th. No appreciable charge, unless in the respectively commune, which become very comm under the telestavicle. 10th. The reagan, which had been unusual, then mounted a bright red color. 10th. Almost complete desfinest 11th. This symptom merchand | the patient was consistently ground; pulse, either full and consistents. (Vo S. 5 rij.: barley mudson the drink).

Ofth. Tongos sky and blackels; thing, income; heat of thin valler purgent; pulse, less full and less toneltone than yesterday; garging under heir clavicle and obtain ride under the right.

(V. S. 5 viii).

The loved was covered with a pretty tlack buil. The day after, three stools some presed.

In the night of 13th to 14th, almost constant felicism. On the metaling of the 14th, face, pale, air of prostration; deafness continues; best of skin, dry and pangent; heathing, nony with corpitating ride on the left side; cough, forquest; spans, sensity; tangen, dry and excrement.

(Infanos of violets; gum potion).

If the At with, a finite less dalasses of eye; pulse, as before, matter full; in other respects as yesterday. The following night be was definious. On the marring of the 16th, face, unequally flushed; intelligence, good; sangue, day; tempersture, elevated; cough, rather less frequent; gargling trus beard under left elaviele; the patient frequently uncovered his chest.

The same symptoms persisted smil death, which took place on the 18th, at two, y. m.

Opening of the curpus forty-two hours after death.

Extensor. - Emiciation, almost extreme.

HEAD, - Brain, firm, not injected; two small spoonfuls of serious in the lateral scotticles and in the inferior occupital force.

(The laryna was not examined).

CHEST. - Some adhesions at the summit of the large. The right long corporated and some of the upper portions of it were slightly congested, and presented throughout their whole extent, numerous gray, tomorrosapurous grandalism, of the size of lump seeds. In the left lung, the upper take was completely conserved into information attraction, restaining a modely, greyish, firtid admission. These were separated from each other by intersections of a grey, semi-transparent matter of half a line or more in thickness. The lower lobe was similarly but much less externively affected. The separation from the less externively affected. The separation from the large of the polynomy stoccase from and there will prescubbe to the nic. Here, of sentral volume; parieties of left restricts themse than usual; notes, healthy.

Associate. — The game motion anothers was pale throughout and mound by third mount; that of the small intention was bookley, with the exception of most roll, and sport in the neighborhood of the except. Force were first aplices, larger and more consistent than mound; the lover and other viscous of the abdomin, healthy.

28th. The characteries is very remarkable in many respects, particularly as regards the tempophysis. The character repetition of this honored age might by seven be autiliated to the capal progress of the disease; but the influence content to admitted, since its progress has been much more impid in other cases (Ohs. 33.) where no honorphysicans identical; and also because, in every asympte we have analyzed, the measurement the Lameethage was as direct proportion to the distance of the affection. Venescotion was here caused as for as the energth of the patient would provide, but reduced the distance properties because the patient, material of being blest, had been guilty of name excess.

240. As to the question of enures, it is proper to remark, that the hemorrhage came on unidealy, without any oxident reason, without previous symptoms or cough, and in the midst of apparent health; is could not therefore be considered thrieffeet of bouchies, which did not exist, but most necessarily be attributed to the existence of inhercies, of which it was the first indication. If this be affairned, it follows that the substelles were independent of all broarhad inflammation, and were here the cause and not the effect of brenchitis. We shall again insist upon this very important consideration, remarking only that, in the instance we are now analyzing, the opinion we have expressed in continued by the results both of aureuliation and promotion. We have, in fact, seen that when the patient first outcome the Loopital porcussion was less elemunfer the left clavicle than notive the opposite one; and this inflested in alternion already too considerable to be ascribed as the inflammation of the bronchial amongs membrane, which, whenever opinion we may alopt, was necessarily PROPRIE.

941. We shall not innot on the fact of typhus fever coming on towards the close of the patient's life and offer very copious someoction, particularly since cases of this description we so care, that we have not used a second example, and as one observation in this respect is set sufficiently exact to draw any legitimate conclusions. The success membranes were not properly examined; we have mentioned the universal pulsuess of that fluing the stomach, but we have said nothing as to its consistence or thickness; and although it is rare to find it softened or in any may affected when its pulsuess is general, yet the fact is not impossible, and the constant has been stated. The red packets, mentioned in the small intention, were, purhaps, the same as those which thicken and

offermined from so brief a description. We cannot be determined from so brief a description. We cannot therefore, affirm that the symptomic expended, or sid not depend on one lenion or another, nor can we expect for an observation to accomplish that confidence which it does not notif. It cannot be too often repeated, that the referee of mulicius is faulty in its foundation, from that is, facts properly and completely offermed, are difficient in the great majority of instructs.

242. In tome rare examples tamoptysis seems to have been produced by a paroxysm of cougling. It almost always occurred without any assignable cause, and was solden accompanied either with a sense of beat or pains in the class, or with any more federile excurrences their during the days which had preceded.

283. Dyspana. — It was peacenly very slight, not complained of by the patients and solution over noticed unless affection, and it was reldom extreme, we have never not with more than three cases, where the patient was compelled to be with the head much elevated, or so retain a sitting posture. After death, we fined nothing to explain this manally it the heart was healthy, its orifices anothered; there was no efficient atto the easity of the pleme.

944. In a certain number of circu, dysprora was only sensible one or several montios after the origin of the cough. Most frequently it communed with its it even sometimes exoled.

[&]quot;At the time Louis wrote this, he had extend the parently but vary (purcases of employment of the large. In the cases he has stated that affection may have painted. — If. I. II.

accounted, it was often econocident with hemophysis, which had also preceded the other symptoms. Under these creamstances, the dyspoms and hemophysis were putately not symptoms preceding tolerales in the longs, has the first indication of their existence. Perhaps this was equally the one when no hemophysis was pursual; but that it was an in far from being demonstrated, for many patients and their hreathing more or less affected from infrary, and it can impossible to date the origin of pathinis from so remote a paried; for out of these examples, which formed one sinch of the while, as great a number had attained the ago of fifty, as among those attore dyspoms had coincided with the first symptoms of the disease.

245. The opposition was referred to the central part of the chest, whenever differences might exist in the same of the two large. There were only three exceptions as this fast, and in these the meany semation seemed confined to the side principally affected.

symptom in phthicis; many were altogether exempt, or only spoke of it when their intention was directed to the subject. A few complained spontaneously; and it is no doubt using to this absence of pain, and frequently in imigrificance and rarity, conjuined with the insemille progress of the ayapptoms, that patients are so completely decrived as to their real situation. Without mentioning the pleusine symptoms, which compelled some of them to ask advice, the greater number had experienced pains either between the shoulders, or on the lateral parts of the thorax. These last were present in one third of the examples, and were sometimes rather intention and of variable shoulders. They came on at very difference and of variable shoulders. They came on at very differ-

est penals of the disease, moretimes two or three morths before death, when the rough and experiences had based one, two, or come years; at other tones (and show overcases where platings had give through all its stages in five or ex-morths), they were present very shortly after the approximate of the fast symptom; they constitute perioded only a few days, in others use or many continue perioded only a few sufficiently internet to incrementally they were sufficiently internet to incrementally the pencer, but our to comput him to remain in both.

247. Most frequently three was a silver correspondence of the point with the achesions, mostly collects of the horgeand pleme, and very often with the months and sout of the excurations. And no three-two bosons were should always combined and proportionate to each roller, it would be difficult. to assign my same for the paint, if we more not assure that naboucles are diverloped in other arount without para, and arthou we use now considering my very timilar to plousitic pains, increasing like than by impiration and mugh, of naacute and lauriering claracter, they are on shalls the consequence of chronic utilisantation. We have, in a small name ber of instances, been able to convince muralism is a more direct and positive morner, that this was agreedly the cause of the pains experienced by phthisical patients. It was in those cases where the longs presented on our side large extravations. with very dight offerious, on the other, missenal adhenous and no exceptions, and when the pain had been confixed to the side where the allusions were greatest,

As, however, we sometimes we that to be realized glashs in the neck and axilla (Olm. 9), become the cause of poin, it is nedentrolly possible that, under certain circumstances, this may be the case with tabencies in the longs. It is, in fact, what we have remarked so the only example of maynest substacles. which we have collected (Obs. 31). This patient had experienced, during the last fifteen days of her life, pains between the shoulders, and no adherions existed between the large and plaure. This was also she fact in some instances of acute plathisis, where more or less intense pains were felt in the lateral parts of the class, and no trace of pleasing was discoverable after death (Obs. 35, 36). It is then possible that, in some examples, the pains in the class may be owing both to the development of suburder and the adherions which follow.

\$248. Twenty-two patients assured as that they had never felt any pain in the thorax, and in the majority of these adhenous were limited to the samme of the longs, while the excavations were equally extensive and numerous, as in those cases in which neute pains had existed. This confirms what we have said, as to the most frequent cause of pains in the chest in phthisis. We can, indeed, easily conceive how allumious limited to the upper part of the pleum abould not cause inconvenience, the corresponding portion of the thorax being the least moveable, and pleurisic pains appearing to be neute, in consequence merely of the elevation of the ribs and of the expansion of the polynomistry parenchyms.

949. Besides, if, as we have senarked in the first part of this work (42), the inflammation of the pleams and the comequent adictions are often depending on the inflaence of subsecles, we can understand only pains are present in such variable periods of the disease, since subservies themselves are progressively developed.

\$30. To som up our munchs, we find that there is paint corresponded with the adhesions of the Imags to the plears, and not with the discussions or number of the excavations. They appeared to result from adhesions formed by chronic inflammation of the plears, and when these were confined to

the summit of the huge, no pairs were experienced, although the excavations were considerable. We may add that upo, which seemed welcout influence on the progress of philips, had a very sensible effect on the duration of pain.

251. Force. - The majority of paperar basing force when edinized into the hospital, we have endeavored to fix the period of its commonement with precision, and in this we think we have succoded, whenever we have been able to determine the time at which the rigon, or the alternations of hoat and rold communed, aspecially when these were accutapanied from the first with thirst or pulpitations. Taking this epoch for our guide, the fever had commenced with the earliest symptoms of pathisis, and accompanied them through their whole course in rather more than one fifth of the examples, or in twenty-one out of unity-live cases which were complete. as to the particular we are now considering. Five among these were examples of acute plation (Ohs. 33, &c). Among the remainder the discuss had haded from five membs to three years, including reveral examples of simple phthois (Obr. 27, 29). In nintren other ones the fever bad connessed in the first half of the disease, in those cases where the affection, with more or less complication, had passed through its different gradations in a period varying from three months to fire years. In about three fifths, the februle state was present. in the second stage of the disease, occasionally only a short time before the faial termination; in every instance, the meshid condition of the longs was associated with alterations in a greater or loss number of organs.

252. Since fever frequently communed in the first stage of the complaint, or even from its very beginning, that is, when the lungs were still the only organs affected, we must conclude that its principal and often only course was the more or laws extensive alternoon in the assistance organs.

453. Except in mass of very acute or very classic ptablish, is was represent to appreciate the circumstances which thus accelerated at retarded the presence of the febrile state; and as compy ownedces with the investigation of this, as well as of the variations in immunerable other symptoms, model in our opinion be embarroting to discover the cause of differences in taxos, physiogramy, and the great variation of em-loss-print in individuals who are in perfect lendth. We must know how to content conselves with the knowledge of the precipal facts, and not seek to explain every variation they may present.*

"In the night of every ferre and replacementals are inseparable, but a variety of consideration enaler this saw of the subject networks. We shall take of emerge of the section's research in his Emanus, page 26, to make the reader argument of with the existence of facts on this point. There le no neutr affection which is not provided for a few lesses to days by more ar free intense fatetle surrement, and storing this period no fitted symptoms, to which it can be stiriluted, can be observed. M. Lenis his pranticed this fact in the beguithe of those attacked by saysipates of the fair i in one half of the cases of monitor; in a citi greater number of parameter (coming as in feeding administrates a sea-fourth of the examples of symanhesmoltons, and investibly preceding smultipor in the adult. Not a single symptom rould be detected expedie of sevening in alteration of my of the region providing ever one different functions. That they arms modified was erident; between our could strette that mobilication to inflammation. On what is depended we are at present ignorant. But we are justified to several that it is not inflammatory. The development of fellow more meet in the unty magnesi philines, when the image are the timy wrone effected, is, therefore, no proof of inflamentation, and we pand whall that the former may exist without toy appreciable head feature.

To there not a great analogy between this precisiony fibrile movement, berministing to explain to make local inflormation, and what is other electroscopies resilience, without producing any particular affection, and which we call continued ferent? Are we more posteriod to possible ing the 954. Although rights were among the most frequent sympotoms of force, they were mix carminat, being absent in our sixth part, — statees times out of marty-line. The possition where eases are excepted templated only of great templated only of great templated only of great templated only to cold, dordated they make but my abserting before coming to the hospital, and had been except from them during their residuces them. This fact is not correspond than the not unfrequent absence of the some symptom in cases of philogenomes supportation.

In the greates number of numbers, the rights came an every evening, and seldon at my other parial. While is general occurring only meet, in some cases they were inegality repeated several times in the day; but we have never observed two distinct rights which, in the opinion of some authors, daily recur at a fixed lame.

255. Occasionally, the rigors which took place daily, at a

After all an inflamentary nature (Londin Borner). Though preliage continued, fover in tence whelly necessarised by tensy level observe, per pay and this has a very secondary expected incommission of the force). The fact, that is express densities the force is a method by the lond observe it tooks to extablish, in remarkable, and confirment of the large or absence on the manner of proportion between the food absence of the following discourse, to be appropriate between the food absence and the following discourse, to be quantly absenced in appropriate, presentant, i.e., it is that argument the their tensor independence of each other, or eather the possibility of irres absence in a short other, or eather the the possibility of irres absence of a short other or a start of the possibility of irres absence of a short other or a start of the possibility of irres absence of a short other or a start of the possibility of irres absence of a short other or a start of the possibility of irres absence of a short other or a start of the possibility of irres absence of a short other or a start of the possibility of irres absence of a short other or a start of the possibility of irres absence of the possibility of irres and irrespectively.

I find your difficulty is continuously the norming of the fraction in the tast partyraph. These is travel by the term " over all there" is not in the typical officers of the described decides to typical of books differ red type. That if Party, we see has bride models—to the results of which books would when the type the symmetric cone in Party. For the street datas of the red perty, the results may often to book on Party. In the party to take promote what he easy to page 100, 120 and 201 of one 1, [1, 1, 2]. particular hour, were sofficiently inconvenient to require treatment for their suppression. This was sometimes nuccessful, and at others we merely lemened their duration or intensity. The temperature, however, remained always obvested in these cases, and after the rigors had been suspended their a variable period of time, they returned with the same violence as before the administration of the febrifage. It is also easy to foresee that the state in which the storage of pathicical patients usually it, forbids the indiscriminate use of the sulphate of quinise.

256. The shiverings were generally followed by heat and perspiration. We say generally, for perspiration was absent is one tenth of those who had chills; and on the other hand, they sometimes existed without the rigors; this was principally during the night, when the patient was asleep. The pengintions were so copious and inconvenient in some instances, that sleep was dreaded. They did not appear to depend on the state of the other organs, and generally coincided with the dambou, which was frequently very abundant when the perspiration was so repious as to oblige the patient to change of clothing once or several times during a night. We have in vain multiplied our spections, in order to discover whether any dependence existed between these phenomena, and whether they were supplementary of each other; we have never succeeded in affording ourselves proofs of the halineing (balancement) of our functions insisted upon by some authors. We have distinctly observed, in the course of perspirations more or less copious, that the dambors dissisted during two or three days; but it soon returned with its previous violence, proving that its variation was a simple coincidence, and not a consequence of the state of the cutaneous perspiration.

257. It may, perhaps, be urged that if the "balancement"

wholed to it not real in cases of phthisis, it is not less certainly
the fact in other diseases. But we have reportly folial to discover it in fevers, rheumanism, and in general whenever maof the two symptoms mann an during the extratege of the
other; wheir minutal inflience and rependence more never evodent; to that we think considers joinford in caying that when
the contrary appears to be the man, it is probably partly
accidental and exceptional. The fact of me, pullage, without
importance, once the majority of medical near regard the
"laboroment" of our functions at a fact on which they found
their practice.

258. The militaire, to frequent after the proposition in continued force, are much rates, cetters pathod, in the count of my televidence. We have recommend seen those in phthisis, but never to concerns as in typics force, in might the elevation of the opidence is consettence so greenly, that by very alight friction it might be controlly removed from untily the whole surface of the budy.

259. Let us remark, that these expires perpiration indicated disurder in the functions of the slow, as reconstable by its intrusity as duration, that the disorder, whether sympathetic or otherwise, was not the less protein, and extend without my much be charge of surremore in the organ itself; and that thus a finetion may be more or less modified thering a long period of time, while the regen to which a dependentian no appreciable change of terremore. We may also observe, that while facts are usualing to prove distinctly that distributes may exist without appreciable links of the intential morner membrane, we may present this to be the case, from the analogy existing between duratives and more or less profine perspiration. Of this we cannot be positive, for in our opinion, amingy is only useful to point out fresh subjects for investigation, to boil in to the discovery of facts, but some to supply them; were it otherwise, we might outcline that a thing really extend because it was possible, which is about. Lastly, for those who consider inflammation as the only extent of finetional deringoment, it would be difficult to imagine this phenomenon in my degree the cause of the perspiration of platinical patients, whose skin remain pole and relaxed in the midst of these minerio executions.

950. The thirst presented, the the other symptoms, very remarkable variations; whereat is one fourth of the cases, in was more of less internal in the remarker; it preserved no constant relation with the stant of the stometh, intestinal canal,* or with the diministrat; it was much more frequently proportionate to the fever, commencing almost constantly with it, accompanying its progress, and increasing during the execusing and right executions. In a few instances the thirst had been preceded by the fever.

261. Appetire. — When speaking of the gestric symptoms, we shall see the numerous variations in the appetite, for

In the unjuriey of cases where thirst was about, the moreon quantum of the security was noticed, and distributed and only liver present in the last period of the theorem, sometimes thirty, theny, and liky days below that there easy, it had existed, with some distributions, and require the expect. In policies, where there is a term or low argues, the policies require that there are low argues, the policies was receipt brookly, or easy presented second alternation, in policy more than one half of the exemplest, clarified more bouldy always preparate, but precoded by the datast, remarkance better was bouldy always preparat, but precoded by the datast, remarkance better was bound at the resolution of the other. The same patients the thirst remarkanced with an innecessful flat of techniques, where the latter that have patients (One 2). Thirst was consecuted traped to the latter, and who had never had inner large.

Letter.

the depastence of the on the state of the gauge micross must have too or deat to admit of reprint description.

262. Distrina was as frequent, that we full justified in comidering it rather as a symptom than a complication, and shall consequently not defer its consideration. Our of montantial and tested persons, free only land an distribut. In presented seasons gradation of intensity and direction. In one eighth of the pattern it communical was philoso, personal small death, having based from for a tracky mention. In more of those who deal after an illuminal force of two years, it was almost common during this long personal of time. In the importing of cases, a communical in the treaset image of the affection; in others, towards the very close of the distribute; so that we could consider it under two practical paints of view, was, when it occurred consults the close of life, or when it dated from a period considerity matrix to dead.*

203: Disorbest towards the clear of life. — We place in this else all show ware whose the distribute consumered from trenty to fee slays before death. Truy formations from part of the relate. In some two apapears was assumption with alightly increased heat of the sking anomal agree, and treathly interested paints. Most frequently metring another was reterred. The small were anality interquent. When we have examined the evacuations, they were yellowish, pultareness, accounting of very clear fluid, has from blood or mores, in which frequents of a country consumer solutions fluind. The small was not very oftendors.

With only one exception, the morous numbers of both intertiers was the sent of once alternates. In our half of the

^{*} The following analysis only notice to except divide space, where the ma-

individuals there were ulcorations in the small intertine or colon, sometimes in hoth; but, with one exception for the former, and two for the latter, they were small and few in number. In four fifths the nuccous numbers of the large intentine was soft as success, and almost invariably soors or less red.

204. There was an exact correspondence between the symptoms and the alterations to which they might be attribided. For, if the districts had only preceded death by a few days, this recent to be equally the case with the electations and toffening of the mucous membrane of the colon. In fact, the electations were small, the cellular assue lining them very thin; and, from their intend tendency to increase, and that of the reliable layer to thicken, we snight certainly consider them as very recent. With regard to the softening, with or without reduces of the mucous membrane of the large intestine, we will observe, that it was equally intense in cases fatal in two or three weeks from a simple muck of dysoniery; most colimnly it was endenly the result of inflammation, which, is its commencement, had in many cases been attended with slight fehrde miscenest, basid stools and cone pains; and where the prim and form were about, the origin of the afterution most convole with this of the distribute, unless we admit that colins was always laters, which is impossible. Every consideration, then, seems to layor the emclusion, that the small alcommon and the softening we have described, with the inflammation on which they most usually depended, were very recent at the period of death.

If we cannot imagine that no important an alteration as the pulpy softening of the muceus membrane of the large intention could be constantly latent, we may however conceive the pamilifity of its being so; and in fact we have collected three thereasions where this was actually the case. In one of these, the softening was conjusted with a tubushly intrasered rolor of the nucleus months of. There had been no complaint of pain is the abdomen.

The diarrhess was less copious in individuals as whom electration alone existed, thus where softening was present; — a result easy to be formore, from the difference in the enaline portance of the two alternations.

265. The distribut of long direction parameter two procipal modifications: it was notice commend or remittent.

966. The duration of the latter rapied from fillers mently to forty-eight days. The reminions were variable from eight toten, affices, or twenty days; the storts were generally scarty; colic pains rare. Filteen of our panents were examples of this. In ten, the small sojection was alcorated; in six, this was the case with the colon, and, with the exception of two instances, for both missines, the cities were small. The means membeare of the roles was exceedingly soft to be other, and in three of these and and thinkened; so that this seems of pations offered nearly the same abstrations, both as to intensity and extent, as those of the poeceding series, in whom the diarrhora communed, as it were, only a few days before death. It seems untoral, from this above, to suppose that the business observed after death some very secondary in the production of the dumbers; that they originated is the second series as they did in the first, that is, towards the close of life; and that perriously to this period the distribute resulted from a simple alteration of successors, which we have abready remarked, appeared to be the case with the perspirations.

267. Cheenic and continued distribute lasted firms our to swelve months, sometimes even larger. It was more or lessviolent, and generally accompanied with roles. In one instance, where it was prolouged free mouths (Obs. 4), these were not less than from roselve to liftern stook, often cepious, during the day. Our of fury-one patients, officered in this way, chitty-fier and observations in the small, and there-one in the large missine. To sive times the alterations of the small insenine excupied in made length. They were of considerable tize, and about an iach in diameter in thinteen patients, whether may were universally or only partially distributed. There were mention examples of extensive alcourior of the large intenies, and thirty of softening of its nuccus membrane. The latter was red in screntzen of these. This, after long continued distritors, we found extensive and numerous alterasions; that is, marked alternations similar to what we find relien diambrea has been absence but with occasional intermissions, though in the former case the informations were much more imense, and evidently of longer direction-

with Large iderrations existed in both intentines, in elepatients is where the diarrhear had been copium and continned during two, there, five, and eleven menths. In others,
they mere only considerable in the small intention or colorlift is the small, the diarrhear was not the less chronic and continuous; an evident proof that it cannot be considered as exalmostly conting from alterations in the large intention. We
must, however, admit that the latter was its principal source
in plathics, for the miscous mendiance of the color was much
more frequently softward and inflamed than that of the small
intention. When, however, confers it still more improbable
that the affections of the color use the only cause of diarrhear,
is, that in command fever, where this symptom is very solden
wenting, the clied and often only alternation of the alterenary
can't is in the most intention.

200. To be able to predict with some certainty the exist-

some of large and superiors alcorations, it is not only implicitly that the distribute should have been choosic and commons, but that the choose chould have been simpores, for, is easy transcess where the less condition was enough, although the doubless had combined many your uninterruptedly, the above them were very incomidenable.* But we have many may with an example where the distribute was carnelic, continuous, and when as the same rane the south were automate, without large lateration distributes with what we have remarked as the farmer part of this work (1981), their value was greatly changed, and their other similar to that of around information of removing

200. If these in the recommence with they exterted no soductive on the distribute. If they were extended, and partiaality if examed whose no tile array, the dejections were extremely frequent, margon, a/composed with tensoring, materiates engaled with blood, and generally mechanisely. The last of arrangels and these was also proportions to the market and frequency of the made is all the cases.

274. Employee was present in our salf of the case from the commencement of the first symptoms, whether the prepose mounts to total termination and capit or slow, very serfer example from two associates those years. In a very few immerces associated with the few apparature of the standard or law of approxim, all copy the position macross members was after presently nound, or the observed with operat at the mo-

The two reason what we have do ely and the first return to

ment of death. In one third, it recented to originate with the fever; its origin, therefore, is the surjointy of eases, could not be attributed either to the fever, diambers, loss of appetite, or to a merbid state of the gastric mucous membrane; we are then obliged to meribe in to the more or less extraine alteration of the pulmonary parenchosm interfering with the nutritive function. The state of the gastric mucous membrane exceeded rapidly. The state of the gastric mucous membrane exceeds also an active influence, and unless some accident to the beam or large, a perforation of them, for example, shortened the patient's life, the marasans became extreme.

Loss of flesh can formish to the physician very mefal indications as to the diagnosis in cases of latent philinie; that is, when the potients, trialout experiencing any local symptoms, are harmed by routineed force of some furntion, and accompanied with dyspaces and conscission. Under these circumstances it is rare that the sear of the disorder is not in the longs, and the affection tuberculous. It is an additional reason for laxing recourse to all the neuros in our power for discouring the exact state of the longs in such cases.

272. Essaintion was evident is almost all the fiscure. The adaptive ultimately deappreced almost entirely; the skin itself became thinner; the miscoles were not less diminished in volume. We have already spoken of the state of the heart; but the change was much more evident in the number of solition; minor these, the flat miscoles, the impossite, and those covering the parieties of the chest, &c. more in the majority of individuals not now third of their natural thickness. The innerther layer of the stomach also appeared thinner, The uterms was evidently in several instances smaller than natural, &c.

273. The fore had no particular expression. In patients whose complexion was habitually florid, it became gradually pule. In some few instances its color increased, which appeared away to peculiar enguntances (Ohr. 55). The cheeks were not red as the intervals of febrile exacentation, and the slight block which they then assumed was similar to what we see in the course of other chronic affections under similar circumstances.

The remainder of the body starred in the paleness of the face. Very movily there was slight asteron round the utility, and till more rately throughout the whole of the lower extremities (Obs. 3). Sometimes one hand and the fore-nem were alightly infiltrated, which amounted a seems efficient in one side of the cheet. But more of these symptoms near peculiar to phthiss, and were not more frequent in its course than in that of other chronic diseases.

CHAPTER II.

DELGNOSIS.

Acceptance and percussion are the means by which we may arrive at the diagnosis of platesis. But as the results of assentances and percussion differ at the different periods of the disease, we shall, for the sake of the diagnosis as well as for the history of the progress of the affection, superstelly consider the results obtained at two periods, and previous to, and the other succeeding the formation of inhercular excavations.

274. First period.—The diagnosis in this period, as in that corresponding to it is other chronic diseases, is often uncertain; but we believe that by a careful examination of the facts, we may frequently acquire a very high degree of probability. We will glasse at some of the principal circumstances.

In the greater number, the cough came on without any exident cause, and frequently one or several months clapse without expectoration. This absence of my obvious exemand this dryness of the cough are of themselves very remarkable, differing from what occurs in simple broachitis.

Whether the expectoration be present from the communement, or only from a more advanced period of the document, it at first is clear, frothy, white, and forms a fluid very analogous to saliva, and it retains these characters for a longer or shorter time, which is not the case in simple pulmonary cutarrh.

So, likewise, thoracic points, when present is the latter affection, are carrly felt except in the middle of the stermin, while in phthinis they are not only frequent, but are situated in the sides of the chest and between the shoulders, also with other characters to distinguish them from those in broachitis. Corjoined with the preceding symptoms, pains, such as we have described, seem to as strongly indicative of tubercles in the lange.

On the other hand, out of twelve hundred patients, not including cases of amentorthous, or person suffering from external violence upon the chest, not one, with the exception of phthinical parients, had experienced hemopolysis; so that the occurrence of this symptom during this period, preceded or followed by thomeic pains, cough and expectoration having the characters we have described, readers the presence of tubercles in the lungs almost certain. And as the routiontion of three symptoms is eather steaperst, we see how it is possible in many entances to diagonaticate pathinis at a very early period.

275. There is also very often in a limited space less sound on partonion under one of the clavicles than under the other; and as tuber-less are almost invariably developed from the summit to the base of the lungs, this face, it well determined, greatly increases the certainty of our diagnosis. The respiratory manner is also rather weaker in the point corresponding to the deliness on percention than in any other portion of the class of

"It may be been merful to sociation moder result of socialistics, on which the affection of product over the only been dately fixed, and which was first regulated by Dr. Jackson, of Fasters, on the wards of M. Louis. who has twice supply conferent its value on an oblitical sol in dispress. We refer to the study of the appreciase. In health this is exactly und sometimes just at all sensible, and soccenerate accompy the test of impatifion, but to evidently at a distance from the turbles in the larger hossesta, and very Settle. The white the density of the long as increased, the expirition becomes goden'ts now and now divised and reprificult, till it marables a second imposition, and broughtly in abuse braid, without accurate comparative examination, it might easily by, and an doubt after havbeen mistaken, he the impiratory morner. What senders this sign prevliarly calculate in that the charge in the asymmet, provide that of the importation, and reasonably the multiporter to principally applicable to the early points of the electer, when moved electrics is so important. It have frequently were M. Louis, long this symptom mino, decide on the exedrate of inducation of the burg, when it resid neithed be intested by pergranters or madded population. Dr. Jackson has also proposed a phonometer. of Parke-rubber, which, from its yorking on round of its own; and policeling the patient from the pain which the use of the finger or a hard existingoffen particless, possesses decided alleranges. M. Livia agrees hilly in the unlary and wilescary; the piece surplayed should be about a quarter of an look tileb and an androperat - Contan.

† This exhibits is disabless a very interesting one to any industrial who is disabless of an early skippings in platess. I think, therefore, that the exists

a mutous, somerous, or crepitating ride in occasionally heard, which is either confined to this region, or extends a very short distance beyond it, and is of a different character; so that the alterations in the respiration and clearness of sound on percussion, like the development of subcretes, take place from the summit to the base of the chest, and are confirmative of the diagnosis founded on the previous symptoms.

276. When we, therefore, meet in the same individual the dry cough which has existed a variable space of time, and in many instances has come or without apparent cause, accompanied with clear, mucilaginous kinds of expectoration, pairs in the sides of the chest or in the luck, hamoptysis at the commencement or during the progress of the cough, dulatess of sound under one or both clavicles, dumontion or any other alteration of the respiratory mannor in the same point, while the remainder of the lungs is healthy, we may be comin of the presence of unsoftened subsectes. The dyspours, the loss of appetite, the consciunor, the sensibility to cold, and often the chills, &c.., which are present in this first period, assist our diagnosis, but could not, independently of the preceding symptoms, confirm it.

cace of a prolonged expiration of the tops of the lungs, so a sign of the existence of televisies, in not yet perfectly demonstrated. I would eximal at this time, that I have often found at the same time that the expiration begion to become imager the impirition elections, both in phthins and protomount. How his chartening of the impiration may be of me in diagnosis, I cannot be yet log, in my means of eximination have been limited some I from noticed the fact. Meanwhile I have it to others having hidge apportunities to introduce it, but I would suggest the necessity of always analyzing the respiration on for in in describe the improvious and expiration, and in mark their respective durations, and the perceits ables beauti during each, — III. I. II. 237. Many of our observations (Obs. 10, 35, &c.), and among others the following, are illustrative of what we advance.

TENTH OBSERVATION, (Box.)

A took-minors, et. 16, tall, bubinally thin, entered the hospital of La Clarité, March 23d, 1825. Hair, black; skin, fresh colored; he was not subject to rickness of any kind, or cold. He dated his present illness fileum days; he had experienced at the commercement, without any apparent cause, great lassitude, with violent rigors, and a emigh accompanied by a small quantity of clear expectoration. These symptoms had continued; pains in the precordal region were excited by cough, and on the righth day be expectorated a lattle blood. Bowels, continue, these, not organ; very little appetite. The general weakness had much incremed.

March 25th. Expression, rather minuted, a lattle less however than usual; considerable debility; he had malked with difficulty to the hospital. Cough, usually dry, rurely accompanied with a clear, mucaus, spanious expectoration; it no longer excited pair in the precontal region. Percumion of left part of chest, natural, but rather shall for two inches under the right classicle, where there was a slight conjutating ride. Respiration, rather confined posteriorly in the corresponding point, but chewhere natural. No opposition; but he cannot repeat many words without drawing his breath. Pulse, one hundred and six, regular; heat of skin, natural in the morning, obviated towards moon, and accompanied with perspiration is night. Tongue,

very moist, moural on edges, a little yellowish in the centre; very little appealer; those, moderate; abdomen, not painful; three liquid mools unhour pain the previous evening. The patient is quite trouquil, and arrivals in bed in natural.

(Infusion of riolets; gum potion; V. S. & riij.; diet.)

The discover command to progress, and up to the 31st of May, the day of his death, the following is the result of our observations. He coughed very little during the first month, but makes more frequently afterwards; the experioration was of no marked character, and so scanty that it was generally dried up in the spitting vessel. There were occasionally pains in the letter right side of the chem, lasting for a short time.

Daring the latter half of May, the beenthing was always somewhat oppressed. On the 20th of March there was considerable resonance of voice under the right classicle. On the 8th of April the respiration in the same region was almost tracheal, both anteriorly and posteriorly, and accompanied by a gargling, which became a course eregitation two inches below the clavicle; this rile extended to a very short distance. On the left part of class the respiration appeared natural, except superiorly and posteriorly, where there was an occasional erackling sound. On the 13th, great resonance of voice under both clavicles. On the 28th, poetoriloguy was evident in every direction round the summit of the right lang; it was doubtful on the left spex. No other evident change in the results of uncertainties, which was performed many times, occurred before death.

From the 29th of March, percusion under the right clavicle became gradually duller, and extended over a larger space. The heat of the skin was considerable in the evening; right pumpiration almost daily, and not preceded by rigors. On the 25th, pulse, ninesy-five; it increased shortly afterwards, and never again fell below one hundred ; and from the Mith of May it was one hundred and twenty.

Very little thirst; appetite, always feeble. The first consixted of some rice creases, with separtimes an egg. Bilians vomitings took place on the 14th and 12th of May, and did not occue afterwards; the epigastrium was never painful; stools, scinty and rinber fluid.

May 26th. (Edenation state of left cheek, bard and fireem; the gradually regressed until death. On the morning of the 30th, the countesance was slightly charged; there was on expression of terror, without doubt on he similated to the extreme dyspinus, which then existed. Death took place at three o'clock the next day, preceded by very slight delirium.

Opening of the corpus twenty-nine hours after death,

Extraren. - Sight urlma of the lower extrenities, also of the fore-arm, and face on the left side; limbs, faccid,

The head was not examined.

NECK - Mucous muralmans of epiglottis, of a pole pink color, without other alteration. A superficial alcoration at the convergence of the vocal couls. Trucken, of a bright red color throughout, with numerous small oval obserations, of about a line in breadly, as if portions of the countrace had been artificially personed; the latter was chewhere of natural continuseo and thickness.

CHEST. - Some long and thick adhesions as the summit of both lungs, represely that of the right. About a pint of clear series in each plears. The whole of the upper right lobe was of comiderable density, presenting at an summit tuberrulous excavations communicating with the bounchin, and none of them were larger than a small my. Their pariette were me had by filse membrane, but formed by a semiopaque substance, homogeneous, of a grayish and greenish aspect, tolerably from, not granulated, and yielding by pressure a similarly colored fluid, which was turbid. This induration, which existed in the whole upper lobe, pressured various small excuvations, and numerous irregularly defined tubescles. These last existed, without excuvations, in the upper part of the lower lobe, the base of which was slightly congested, and contained some semi-transparent granulations. Similar, but less extensive lemma in the left lung. Bronchiz of right lung redder than those of the left; they were slightly ulcerated. Heart, of good size, and acrea healthy.

Annough, - A quart and a half of limpid, rust-colored serum in the peritoreal cavity. (Esophagus, healthy, except for about an inch at its cardiac extremity, where it was much thisned and easily torn; internally it had a bluish tint, and its thin nrucous membrane was wanting over a space of half an inch. The womach, which was rather voluninous, and containing a small quantity of turbid fluid, had over its upper portion and great col-de-suc a blaish tist, like that of the lower part of the unophagus, in a continuous surface about equal to the palm. of the hard; the same color reached to within two inches of the gylorus in bands, three or four lines wide, and as many inches long. The corresponding mucous membrane was extremely thin, and soft as mucus, rather viscous and semi-transparent, here and there it was destroyed. In the intervals of the colored portion it was a Table softened, but of naturalist. Duodenem, seemt. The muccus membrane of the small inpertine was of its natural color and consistence, slightly softened, and presented in its last two thirds about forty small ulcerations, from two to three lines in surface, and almost all upon the patches. Their lining and their circumference, for the space of two lines, were greyish and formed by the submucous layer,

slightly thickened. The mucous montherne of the large intenting was in contact with some pulmounes, yellowith forces. It was every where softened, and a querally so in the careaus, where it was not more consistent than more ; it offered pamerous obscritions, from half an ords to surface and operands, both in the cream, according and transmit roles. Their edges were prominent, their bottom blockish, and furned by the dightly thickened solutions layer. Opposite to the ileo-eneal valve there was a greyalt pairs, partially attenuent, in which was ruler a large number of interrulous granulations, imbedded, at it were, in the submirrors membrane. This last was more or few thickness throughout the wholecourse of the intestine. Many of the presentine chards ready equally instituted through the constition from much me ermord in volume, moldish colored, and in part composed of grade, talegrabes scatter. The other organs of the abdomen were healthy. The bile of the gall-bladder, darkish colored and very viscous.

This observation is one of them trinch speaks most strongly in favor of inscultation and percention. As our first examination of the patient, or the oversteenth day of the docume, be might have been considered beloning under simple catarria. But the absence of all apparent causes, and the steph termoptysis which had occurred on the rightle day, basing induced an catefully to examine the chest, we found that the imperatory amount below the right chestle our brable and mingled with a creptuning ride confitted to this regain; that the percansion was also dailer there that there have been proportions we did not his interest on consider the properties as philosoph to general health, and the short time which had obspeed from the consensement of the affection appeared

little favorable to such a diagnosis. It was, however, soon confirmed by the progress of the symptoms, the resonance of the voice and pacterilogsy under the right clavicle; and, if we recollect the mosts of tubercular development, it will be granted that our diagnosis was not less easy than rational. However, not to distract the attention from the principal object of this abapter, we shall content ourselves with remarking, that the softened state and diminished thickness, with parasil destruction of the gastric naccous membrane were latent; that bilious veniting only occurred during two days, which of itself was insufficient to characterize the lesion which existed; the name remark may be made as to that of the lower purson of the exceptogen-

238. Second period of Philipia. — The speta, which become somewhat thick towards the close of the first stage, are greenish, and marked with whitish lines on their surface, at the commencement of the second. They have not yet my definite form, but they soon become thicker, rounded, and often regged (locietis) in their circumference, characters which are president to philipia (226). Thoracie pains begin, or if previously existing, are sometimes more intense, and are of equal importance. Humophysis is pentry frequent, and is not accompanied by any peculiar elementance; so that among the local symptoms, the spara alone differ in the two periods of the disease.

279. The results of percussion in this period are not less decisite than in the other. In fact, we have seen that in one third of the cases, the upper lobe of one or the other lang was entirely converted into tobercles, grey substance, and into excessations successively smaller from the summit to the base. When this was the case the corresponding part of the clear was dall on precession, while it was clear every whose clos. This state of things, of itself, and without other investigation, would

almost be sufficient to characterise plateier. By means of this aloue in subjects who were but slightly consciuted, and in whom the affection had note on slowly, we have been able many times to recognize the existence of inhereless without may interrogatory, or examination of the spars, and, moremer, the autopoy has worted the troth of our diagrams.

280. At the same time that the spars become stringed with yellowish lines and denser, this requirators minimar is strong, country or even trached under the structure in the part rotresponding to that in which are found after death the largest. executions. To this is frequently resistant clater a coupleting ride freemaking the sound produced be bending day. hasher-work, or a very dry piece of new leadur), or the true gorgling. The trace area becomes remeant, and this at shardy replaced by pretornous. The space in which these different changes take place is at first booked, but a daily increases | and is some instances, Where the Whale of the upper tale is consected into summon excurations, the respiration is course, and none or less teached throughout its whole extent. The gargling and other rides are also present, but their charactions, as well as those of the matheal respiration, diminish as we recede from the claricle, thus coinciding with the moonenive development of suburder, and of three granution when The pretoningly because daily more finance, spitered. without, however, existing throughout the whole of that part of the thorax which corresponds to the upper lobe.

281. These mades of difference in the characters of the niles and trucheal respiration, which take place from the summit to the hate of the lungs, are most important for the accuracy of our diagnosis. They must fix our attention out less than the local symptoms we save described; for, although presentlogay and tracheal respiration grove the existence of an excuration, they do not indicate its nature; and if we at occor-concluded, from the more existence of those symptoms, that the case was phthinis, we should, at least occasionally, be led into error, as the following observation will prove-

ELEVENTH OBSERVATION.

A nay laborer, et. 59, of middle height, feeble constitution, had been subject to shortness of breath from childhood, which had occudently increased the last ten years, during which he had been laboring under broughtiss. This last was less intense theing the number, was very moddlesome in the winter, and then accompanied by emmention. For the last six months, gradual dimension of both cough and appetite; but, one month before esteeing the hospital, the amorexia had been complete, the cough had become more troublesome, and the defaility more considerable; he had emisely ceased his computions. He had noter complained of pains in clear, and mover had had hemopptysis.

November 30th, 1824, the day after his ulmission, face, pale; lower extremities, slightly infiltrated; walks slowly, and with difficulty; cough, moderate; experioration, opaque, greenish, not suinted; conpiration, almost perfectly trached, and with a course, originality rule under right clavicle, and posteriorly in the corresponding point; great resonance of voice and indiction pertendegry in the same regions; these, every others temperate on percussion; pulse, very little quicker than natural; congre, class on edges, bears in the centre; thirst origin; anorexis; abdomen, voluntious, and observe fluctuation could be described. Districts and night sweats the last fifteen days.

(Infance of rice and the triticam repres for drink; dayscordinar; frictions with the therms of digitality two rice (reaso).

Up to the 19th of Novembers when death took place, he gradually became weaker; the dyspacia increased, and for the last six days the expectoration remarked a greenth-colored pea soup; to charge in assentances on the right side. On the 7th, a macross ride, mergled with a garging word, was bound under the left clavicle; peasivenely and superincly the respiratory manner was very strong, as well as the resonance of the voice; there was a load manner ride throughout the whole class during the fast four stays; the pulse became very frequent.

Complete anorexia; minnen, succeeded by minimings, with a dry taugue. On the 10th, copinus diamben came on, and from fifteen to twenty stools were proved daily until death. Drownings was almost constant the last four days, and he explined at never, r. N.

Opening of the corpus thirty-seven hours after death.

Expenses. - Slight orders of the lower extremities.

Heap. — Choe adherence of dara mates to sagittal sature, alight sub-arachasidean influences; conical substance, rather pink; the modullary was slightly injected and of good consistence; a spoonfal of clear fluid in each lateral ventricle; rather less in the inferior occipital force.

NECK. - Epiglottic and largus, natural; moreous membrane of the traches, red throughout, especially infenorly, otherwise perfectly healthy.

CHEST. — Numerous cellular addressors over the whole of both large. The summit of the right long, to the extent of two inches, seemed formed by numerous cysts, varying in

size fores that of a pea to a larve not. These apparent cysts were formed by diluted broachin, containing a reddish muccus fluid, or a vellowish apaque substance of variable comissence. They were closely compacted together, and formed by a this mucous membrane, remarking that of the colon, rather red, resisting, and continuous with that of the beauchin, which appeared natural in every other part of their extent. Some of them had a kind of valvas to them. The same lesion existed in the summer of the left lang, but occupied but an inch and a half merely, and the dilutation of the broughin was less considemble. There were neither tuberoles nor inherculous matter in any portion of the large. The right was slightly congested, but not su supplie as the right, and with the exception of the dilutation described, healthy; the heart was small; the aceta presented throughout its whole length some promisent yellowish spots.

ABDOMEN. - About three quarts of clear serous fluid in the abdominal cavity; stomack, small; the macous membrane, of a greyish rolor near the pylones; punctated with red spots every where else; in some points it was thin and extremely soft, except in its greyish part, so that it was capable of being detiched in fragments, from one to two lines long only; small intestine, contracted, of twice its usual thickness and very short; its lining membrane as not as mucus; that of the colon was a little thickered throughout, extremely softened in the signoid flexure, and every where rather less firm than natural , the liver affered to the displingen; structure, healthy; rall-bladder, not larger than a filtern | it contained two blackish, soft, nodelated concretions, anveloped in mucus; its parietes exceeded built a line in thickness, principally in consequence of the thickgood state of the mucous membrane; the submacous layer, was much indurated; cystic duet, natural.

284. When we first use the patient, we considered but laboring under touse organic abdominal affection and an extreasely chronic phthinis, which had only caused very limited disorganization. The elements of percursion under the clayscles at first import or with doubte; but projultation imbeating the existence of an execution in the same point, we could not avoid response it the result of supported indereles) a espposition apparently confineed by the cough, dyspects, exposforation, and mor equivally by the part of the cleat in which the excuration was simuted. We were mostation in our resjectures, and purhaps should be again to, were a surfac fact to be presented to us.* However, let us essent, that therewere peither hamoptymi, passes in the chest, our strated expectamion; from all which we may conclude, that the existesce of protoriloguy in a very huntrel spore, in an individualaffected with chronic broachitir, and when the experimentais opaque, greenish, postdent, and rounded, so not sufficient to determine the expresse of tabordes; to do the withcoming, either hymogersto, pains in the thest, or dissessful would in percussion round the excavation, must be present at the sumitime with these just memosted.

"Direct Sarkton, No. 10. a Sther Salker Safters, most Juneary 20th, 1822, nealists the con." if a pining gal with whom we multi repositions but portal by File. She then colered famil's words in March'; cough, exmotor; opposite; respective, at law up to expect the a section; sucresere minorphino pile, dei lorgetti asbami dosarro Lerri Iraci, irro dar. which right long belood, and all this of created right. Loan feetful bebeyon broadelly and more planning. The month orangement small and be explained by other, but the excessive dyspace has been much the last in empirise." The challen color, and the palent pound from the work. Allthe date of the latter the rates special with the reall-per. The dad, and a very great delaying of the founding was found, with once grapmmore speecks the exhibition of the longs. See Archeor's Messic, page 167. -HILE

- 283. No should similar facts are rure; and indeed years may elapse without encountering a second; but we must not, on that account, neglect it, since it is a striking proof of the difficulty of diagnosis in circumstances apparently the most favorable, and of the importance of some local symptoms, especially of precuoism. It was in fact more thus probable, as we at first suspected, that a subsreadure affection of one years duration would have terminated in some infunction of the ineg, and produced corresponding results from percussion.*
- 284. Pertonlopsy and not always exist opposite excavations, even when there was five communication with the larger bronchin, and they were of considerable size. Occurrently also the resonance of the voice was not very distinct, but usually, at the same time, there were gargling and trached corpiration; so that whom these two symptoms are present, puricularly if beneath the classicles, where great tuberculous carries are found, they are equivalent in value to preterilopay, and like it show the existence of a cavity.
- 285. To the proceding symptoms were conjoined in some cases metallic tiskling. This peculiar sound, which we have bound in three instances (Oho. 1), announces, as M. Luennee lass said, a large inferculous excavation, filled with air and fluid, and communicating with the bronchia. It also exists after perferation of the long by the emptying of a softened tabercle into the pleural easity (424, 820); but the datinction between these two cases is easy; for, when the sound occurs in a tuberculum excavation, it is associated with pectoriloguy and traches) respiration, both of which are abount

[&]quot;We are sware of the truth of M. Laumer's observation, that infuration round toberculous carriers does not always provent the obset from being someous. but for this to be the case the curvation must be very extensive (On. 1, 26).—Lowis.

when the want the race. We call on any on in the general apopolous, where are noted and to the the trace of scale the map, but no also above the trace of a factor of the trace of the trac

CHAPTIN HO

PREDMONES AND PERSONS REPORTED PROPER MICHAEL DOGEN

distribute existence; here him true executes, the explosiof the periods complianted of part is an able of the elect, three, from or fire days below doubt at the same time the explaintry minimum are read, non-rel and a the companion, and periodic was more or too doll in the companion, point. The expression because accessors threat, without, besiever, promising my other of the electricis presented by

[&]quot;Mr. (complete common in the columns to the or Modell'
Prairie (interest on a character of any common sector of any
arter the common common to the common to compare of any
arter the common sector of the columns of the columns of the
Appendix of the bins of the temperature of the columns of the columns

¹ For each remove to relative to the control of Transfer in Appendix, S. — 10. L. S.

parametria when it occurs in subjects not nurkested by previous durate. When surfer other ristametrates, these symptoms are, however, sufficient to define the nature of the complication, and the time of its invasion; they also prove that presument may happen in phthical parients when consistion is carrein, and that the existence of complications with great debility is not an inapperable obstacle to the diagrosis of seeidental innercorout discusses.

also gives rise to symptoms by which it may be detected as the anguity of the cases. Seven out of cleven patients were examples of this complication, and they had all experienced exactrization of the dyspoom, acute pains in one ade of the thours, three mise, eleven, as seventeen days before death. In three among those there may an increase of heat and thirst, and the pube has accelerated. (Egophony may present in two, and modify no doubt have been more frequently detacted, had complete examination been possible. In cases of extremo weakness, the necessary exertion to effect this might not be fine from danger. The symptoms, however, ourse sufficiently marked to enable us to form a diagnosis, and to prove that the affection existed only a few days before death.

258. If preumonia, coming on in the last period of platfairs, is supid in its progress and accelerates the fand termination, this is not the case in an entirer stage of the complaint, for then the patients are enabled to continue their avocations, the debitey and ensatiation towing made but little progress. Preumonia a thin, in fact, almost invariably comble, though associated with interculous expansions.* We cannot arrive at the same conclusion for plouring, when coming on in the

^{*} M. Andal subsyths may remak, - Lern.

course of phthini; for, with our everyone, we have green soon it entirely cured, not even taken correcting below todays enfour inferring had taken place. The symptoms might often be published, the effects in part dissipated, but it was never wholly absorbed, and after a variable pental of them, the patients died, buring in addition to the taken for in the lange, false membranes and officien in one or both taken in the chest.

CHAPTER IV.

SYMPTOMS OF ULCURATIONS OF THE STIGLOTTIS, LARYNY, AND TRACHES

ARVICLE I.

SUMPTOME OF VECTORATIONS OF THE EPISCOPPIE.

289. Our of eighteen patients in whom we have observed this alteration, is six there were no observations either of the largest or trackers. Possessing them complained of a variably intense pain in the upper port of the thyroid carriage, or between this and the to byoider. The pain was compared to that of a raw note, to prickings, in to a series of bossing. It was present a mental, two mentals, or only a few days before death. In three intensees there was dysphagia, chlough no alteration existed to the placetes or tonois; liquids were sometimes returned by the nose. Out of twelve other patients who had ulcerations in the apiglottis, largest and trackers, in

four, deglatition was difficult, and puts teas complained of its the same region. Only one among them, during a certain time, rejected liquids by the most.

200. Thus the symptoms of alteration of the epiglatia become asident from a detail of the tices, via., a fixed pair in the upper portion of or interdiately above she thyroid eartifage, with some difficulty in availlating and the return of liquids by the wave, while the planyes and tomic remain brighty. These symptoms are confined by what we observe in alcoration of the largest, for in this case there is neither return of liquids by the note nor difficulty in deplutions, solving as the plangest and epiglatic are an affected. Perhaps in the above of the symptoms possible to decention of the largest, a fixed prior at the appropriate of the thyroid earnings would authorisely indoor them only appropriate desirable this would appear to be the case from the following observes that, where possible our already apartition of surveyed.

TWELFTR OBSERVATION.

A marrier, 20. 20, of a most continuion, born of parsent who deel at an advanced age, entered the looping of La Charité, October 17th, 1921. He had more been seniously ill, and was not hable to colds and his promos adaptorion had based fifteen country, and due he had congland from the connectnesses; had not experiented during the first tree marchy after which are experiented during the first tree and age occurrenced with dysprove. Some scent point were left in one side of the rises, these norther adsequently to the first symptome: they continued filtern days, recording afterwards at two different prices had of a hither shows done than. For the law formight their had been also account of themselves because of proposed bad probably discussional proposed bad probably discussional. The distributes had been about constant the last on combinational codes, while occasional codes, we are few account the last on proposed bad probably. The summan and reschool about the last one proposed bar occupations of the expressionals. The last relaxified in the last computated by occupations for my proposed, and been confined to the last had had been even.

Orador 19th. Party pile and thing pain and pricking conmition at the upper party of the algorid reacher; a sound depner in the more regard; which display in departure to only the pluryus and any pilete were natural, or persons trading in the reason of the tradina; range, persy frequest; a pretoration, our replacement question person display address of count maker both elevation, particularly accompanion as the appear below. Tracked respective and resonance of the relia, with our perturbagity makes both elevation, but now readout under the right than left. Poles, making a green accoming to cold. Appearing, much deminished; into tradit; operations, and painful, six liquid much with very which pure the lattering.

(Infusion of rice unit quarte symp; dissection with an a of opinin three times a day).

On the following days are experimentar because opaque and of a dirty color, the pain of the closes tentural almost in the same segment and the appetite quite founds

Neverther Title. Considerable occurs of decimals; on an animal a pain in the thyroid cardiago or before, the principal salies, very deficult, on alternate of terms, on someone

in the course of the tracken complained of ; slight occulration of the pulse. No charge took place the two following days. On the 10th of November, at five, a. st., loss of consciousness, and at the right we found him lying on the right side, the pupils much contracted, the cyclids half closed, breathing accelerated, pulse slow, all the morements extremely feeles, and excited only by the charges in his position made by another person, and complete more shifting. No charge occurred before death, which took place at twelve, m.

Opening of the curpus twenty-two lower after death.

Extremon. - Extreme emitiation. Nothing rise remarkable.

Hears. — Three small spoonful of redship, slightly surbid fluid on the upper surface of the anchood. Some spots of blood on the inner surface of the darn stater, easily removed, and not adherent by false membranes. A tolerable consistent infiltration beneath the muchooid. Half a spoonful of fluid in such hasral ventriels, ember more in the inferior occipital faser. Brain, slightly softened and sejected.

Nece. — Œstern of the glottis, of a line and a half thick accertise argranoid carallages, much less also shere. Morean membrane of the opigionis, races or less red, persenting some alcorations on its lineard surface; it was of the same color, with an annually clining appearance, and also accompanied with alcorations on its laryagest surface. The fibro-cartilage was denoted at the bottom of one of these, and superiorly on the right ride it was completely destroyed to the extent of two lines. Laryax, natural; messars membrane of the tracker, and inferiorly.

Thomas. - The left bung presented some cellular adhe-

affected, and at its oyper position the folios murchrisis was semi-cartilegious; in silve pure it was audurably some cellelae novoltrano. In the summit of the upper lebs there was a raid information recognition, at large in the priority closed hand. It was about filled to a cad and instidflaid, traversed by thin, cost-like prolongations, and partially fixed by fragments of a soft false numbers. In present stero extendy two hom thick promotody; they were thicker mitriody, and note financi by a dark projet uninterest more or loss from and in many point mai-transparrie. The remajoder of the false gas done, conserved into the grey, antitransported mater, and informer, or into panishly filled marieties. These were also in the upper part of the two other lobes some involvered total ring, and the grey, time-manpieextindatures. The sone leaves rested in the left fung butwere less extrusive. The contents of the right horselis more pel and only one to those of the large execution. The moreon montesper our reality at the money that at the base of the long. The bear not sould, the nota promied throughout its whole strong names on yallow-colored parchas.

Annuals. — Two quarte of ober country is the periodical cavity. Stomach, contracted, exclosing a large quantity of very visual minus. In fining membrane formed ammerous folds, was every where rather rest, and of normal consistence and thickness. The small interior was extremely contracted, allowing the automorals in pass with difficulty, and contined much gray and and morals. In morals attribute was sound, with the exception of wore small substraining granulations, observed or entire, which existed in the lower faints,

^{*} A pendady trivial par it energy for appearing the absentacy mind. If, I. R.

rither on the Sandalas putches or in their intervals. The hap meeting on filled with a torind, any absolverd, offersize third. From the cond valve community its immediat rust was decoded for a first one a built with the exception of a help of sound sources soundment of short un both in broadth, corresponding to which the painters of the intention were healthy. Too demaked, it was grayable about fine, about a San Hork, such hose and there diagrams of micross surner home and college from on the point of hong complete Lower down there were four alternations of an inch and a halfin diments, about the expected moscular layer was talf a line that: The names membrane was very pure and exceedonly not in the signal flexure and serson. The right mesosubtraction on neurotod, of the fixe of a large pea, greyabcolored, chinney, openous, but not inhorenlated; those of the investory were round; here, of ordinary solution, france than yourl; pull-bladder, groundy distunded by a clear reddish mined bile. The other curves were healthy.

20). We stall not extend our reflections on this observation, where as marked a correspondence excited between the symptoms and the model changes observed alterdeath. The alexanders of the epiglonic exactly conscided with the spot where the patient completeed of pair, and also explained the slight difficulty in availables. The model respection and the managed of the voice were in proposition to the extent of the accurate. The abstract of paraconnects on percession automated the presence of much gray and inherenteen matter in the pair. The below of the large intension could scarcely be more extension after long and express distribute. Landy, if the gartie mission membrane was perfectly sound, with the exception of being alightly red, (the effect probably of some recent fesion), the patient had percer had either names, vocaleing, or epigastric prins.

Let us observe that this is the only instance in phthoseal patients, whom we have found observation on the lingual surface of the epiglottis, and where the hympostic glands of one of the atomicolous were transformed into consumous matter. We have already made the same remork in relation to the accentrate glands (Oos. 4),

292. The following raw is an example of the complete destruction of the eyiglottis, and confirm than his hour mid-respecting the peculiar symptoms manufag the algorithm of this organ.

THIRTEENTH OBSERVATION.

A gamerous, et. 23, no. of a lymphate and engineeral temperatures of a strong constitution and very well with, restored the toppint of La Chaine, September this, 1824. First years previously be was attacked with procurating and after convalencement to breathing was not at all affected a long heafurestic be one subject to become coming on in the minter; be und that he had become ill a year, and and cound his exceptation as weeks. At the consumerationar, he was stracked with country, regards regard, and experimental a fluid liker findly subva. The most had now commond; the expectation had become various had now assumed; the expectation had become various had now a provide to with, a slight decrease of temperature occasioning stravings; for the number of motion. The roley had been continue, with incoming the

that street months, and the upper part of the laryer was the seat of more or less acute pain; Equida were returned by the most during the last five weeks. Diminution of appetite from the first; of late the digestion had become languist, and there was occasional veniting with the cough. No uneasy sensation in the epigastrium, no pain of side, no hamoptysis; gradual emaciation the last three months.

September 7th. Pace, rather pale; weakness, not extreme; aloop, interrupted by cough; bearseness, with great inequality and discordance of voice. A constant lancingting pain between the thyroid carrilage and as byoides, accompanied with sense of heat and dryness; the pain was incremed by eough, by speaking, by flexion of nock forwards, and by deglutinou; the latter was frequently deficult, and provoked the rejection of liquids through the most. Cough, frequent; dysposes, argent during the might; some scarry, opaque, yellowish and and greenish quata flusting on the surface of a copious, clear fluid, or smk at the bottom. Percussian, on both sides untenicaly, clear; pressure under the left classely was painful, and the expiration tracked; under the right the respiratory moreour was rather stronger than estimal; there was great resonance of voice and Issuehial respiration between the clarieles. Pulse, mederately accelerated; beat, natural; tangue and pharyny presented no altermon; epigasteam, not painful, In the evening the patient passed one stool of good consistonce, and only complained of the pain is his throat.

(Looch; gun mixture; two rice ercous).

Some slight assendment the following days, and on the 17th be was only sensible of the pain in the neck whon coughing, speaking, or smallowing; mothing remarkable in the expectoration; respiration was tracheal, and there was pectorilogay under the right clavicle, and possessorly in the correspositing point; little appealse; stools, liquid or pulpy, and not numerous,

October 4th. Increase of pain, constant; deplotition, especially of totals, very deficult; topods did not return by the now; increased appears; this mate continued for some days, and the other symptominercond. On the 12th, liquids above could be realthmed; the pluryux and tombe were, as before, malfreted; the expectionant permissed the main characters, and assured recusionally to be detailed immediately from the largue; no charge in unmalmint; pulse, enter prick; right perspirations, copious; alvine occurations, daily, of natural consistence.

(Twelve leeches to nach).

The pain parasted; many slight decrease of the harning sensation as the largice, aphronic, constant; the experimetion was thick and greenish; married come on and continued uninterropoully from the 10th to the filter, when death took place. The appetite had malifoldy around, the apagapium had become punish on pressure, and polaring prim were complained of in the name region; the surgue was always named.

Opening of the corpse treasty-nine bours after death.

Expension. - Enuciation, almost extreme.

Heart — The dura mater presented on both sides some lacerations through which the araclmoidran grandations were apparent | pia mater, asjected, easily term; exceeded substance, normal. Three was a spoonful of clear fluid in each of the lateral ventricles.

Neek. — The base of the tongue and lower part of the pharyne presented many small, and, in general, scenared alcorations, but they were numerous, and clustered together in one point only. The opiglettis, the lateral ligaments and superior vocal cords were completely demoyed; the lower near only partially on. Nearly the whole of the surface, where this destruction took place, was more or less red, industed and of an uneven aspect; the sayteroid cartileges were sound, with their neitedlar surface exposed. The mount numbrane of the uncless was of a light pick stage, but its color and consistence were healthy.

Thomas. - On opening the about the large did not collaper, and the pulcetonry versioles were generally diluted; the right long was every selese adherest; the left, which was enturly from presented on its upper lobe a kind of minkind surface, corresponding to a small, very industed mass of grey, semi-transparent substance, singued about half an inch beneath the pleura, and giving off nome small prolongations of the same moure. Near it was a middle sized inherenloss excavarion, fixed by a fifte membrane, and none fragments of bepatized larg. There were also numerous grey, semi-truspurent granulations, diminishing both in number and solume from above domawards. The right lang offered in its upper lobe a postry large execution, communicating with one in the lower labe. Both comment a red, thick, spaque fluid, and some fined by a firm, gray-reduced, armi-transparent falsa mandrane, There were also numerous tofismed submedix and grey grantslations in the upper lobs ; these last were likewise numerous in the lower; heart and sorts, natural-

Assours. — Someth, voluminous; its mucon numbers rather red is the great cul-de-sac, prepositored and maniflated in the rest of its extent with the exception of a finited purtion of the posterior surface near the small curve; it was eather figure than natural in the part corresponding to the grey color; the last twelve patchet of the small intentine presecond some observation, and a few multi-contagnous arguelations. The remainder of the binny mustaces are tendent; that of the large introduct was track and microsof, but ought this be elegation in magnetic of one or two large is bright; in was not observed. The large was reformable and only the bile of the gallidatable, a large microsoft days natural; uplerny small, and easily having done; on other magnion.

\$23. In this, as in the preceding elementary, there were pains in the upper part of the thyrid capiling, as between it and the or hyurder, with difficult deglication. But both of the symptoms in the present income were much more inners, absorbed the attention of the patient, and corresponded to the extensive mater of the sharoline. The pain was removed, loseignous, accompanied with a grow of five, agreemed by all the movements of the needs, and operably by availabing, whigh became shilly more shilloulty for a long time a part of the liquid he had to avail as was returned by the man. The depletition of sold had not always more defined than that of fleids, and quen impendentance; the last filters days. The despurden of the epiglone and equina rotal corls was complete, while it was only partial to the inferior. The disorganization appears, therefore, to have proceeded from show dominands. The affection of the opiglands was no doubt in the commencement without complication; and probably the pain and symphogra were at first exclusively depending uponit; the latter probably had never any other neuron.

294. The progress of the symptoms was slow and emutant; and as we do not know whether the epigloitis is more accessary for the deglarition of solids than floods," we cannot decide

^{*} M. Magnatio relates the trees of complete income of the experience where depletions was not of all anguests. His process that, when depleting

whether its entire descriction took place during the last fifteen days only, or at a much earlier period. The patient had never beloved under versional disease; and from what we have belove stated, especially in the numerary of the first part of this volume, the tendency to alcomition in philinis appears so great as to render it americancy for us to seek for any other cause in the present case.

395. The following observation is mether very remarkable example of the symptoms we are considering.

FOURTEENTH OBSERVATION.

A wasterscrewer of artificial flowers, at. 18, of a rather delicate constitution, entered the hospital of La Charité, December 23d, 1824. For the last seventeen moeths, he was convalencent from what he said was called ascines, but which had been treated in the commencement by the application of seventy-two leveless to the abdomen. He had been confined to his bed a year, without having ever experienced abdominal point, fever, or even marked loss of appetite; his strength returned very slowly, and he had not yet completely regained his flesh. Five mouths before entering the hospital, he was attacked with slight hemoptysis during five successive days, which was succeeded, after an internal of seven weeks, by cough, expectoration, and difficulty of breathing, and soon

is present, it is to be strictured either to caries of the srytmoid eartileges, or to alcovations of the edges of the glottle preventing this opening from being accuracily closed at the moment of deglection. Vide Pricis Elemenfeter de Physiologie, page 87. Third addiss. — Cowas. after by perspirations every right; no loss of appears; strole, regular; he had cound his usual necespations around days before ne new him.

December 24th. General paleness of surface; great debility with but slight emaciation; breathing a little oppressed; cough, infrequent; expectoration, clear, and rather summer; percursion, every states good, except for about two inches under the left classicle, where the sound was rather doll; in the same region the respiration was load, with someons table, and accompanied with slight pain; a similar table, through more feeder, excited under the right classific; we could be where detect trached respiration, peccerilopsy or resonance of the roice; the pulse was somewhat accelerated; bust of skin, moderate; perspirations copiess and universal during the night, not preceded by rights; tongue, pale and which; appetito rather less than when in localit; thirst, natural; modifregular.

(Pertoral infusion | gum posion | one franth of full house allowance).

James Jat. An acute pain complained of to the left of the on hyoides, with an interner huming securities, which was increased by cough, external pressure and regisition; the latter was accomplished with difficulty, although the honids and pharyux were mutual; the next day the drophagic was increased, and fiquids were partially ejected by the some. From this tion until death, a period of three months and a half, these symptoms continued with only slight variations; the patient could only drink by mosthfids, and even then some drops of the fluid were returned by the new; the available of solids or liquids contact equally painful, and the increased suffering caused by the attempt absorbed the patient's attention; the seldom complained of any thing else. Leveless

near trice applied to the neck (on the 9th and 11th of Jannary) without any success; a bilister applied some days aftertrards over the part where pain was complained of, proved equally inefficucions.

The voice became slightly altered on the 5th of January; on the 25th, the appears was complete and continued so until death. During the last month the pain in the or hyoides extended to the inferior person of the largers.

There was generally considerable opposition, and for the last two months the breatling was hugsed. From the 9th of Jansury there were some numuralized or ragged spars, surrounded by a fluid ruther elear, and schrably abundant; on the same day, the dalasss of sound occupied a greater extent, and was more evident under the left clavicle than in the time of the entrance of the patient into the Inspital; there was some erackling in the same region, and below this the respiratory manuscus was very indistinct; the respiration was unched under the right claricle, and the air seemed to enter the stethoscope when the patient spoke. February 13th. This two-fold phenomenon existed under both claviciet; the population was feeble, and on percention the sound under the left classicle. was rather still. Towards the end of February there were some strinted spatts. On the 4th of April many of them were of a pale plak color. On the Job, when the patient was alone in the garden; a slight hemopty its occurred, which exceed very 20001

January 9th. Palor, righty-five; on the 17th, it was one limited. It was subsequently either factor or shower. During the last two months the best of the surface was increased, the perspirations were novernal and copiese, without previous rigon.

The torque was occasionally whitish, but never red; appe-

tite, generally good; digention, eary; the potient was very ill-humored whom put upon a strict det; distribut came on about the middle of January, was shoot counted, and the stools were frequent towards the end of Peterstry and in the beginning of March; some passess occasionally from cough.

The last of alrength was rapid; yes, eight slays before death, the patient was able to go slone into the garden. He neldom appeared actions about he confirm.

On the evening of the 11th of April, show was a marked change of expression; the respiration was more underraised; and men afterwards there was loss of manuscraves, which continued and five o'clock the next morning, when he expired.

The perioral indexion had been replaced by rice water after the disorders had commenced; discordium, either with or without opinm, was even added to it, and the patient took it without reprogramme; and while the stools continued frequent; has find term limited to some rice comme; at other farm he had a fourth or one eighth of the small boose allowance.

Opening of the surpus townty-seven hours after death.

Expension. — Extreme emacistion. Nothing also remarkable.

Heav. — Slight inh-machinoidean infiltration; a few milinty granulation, otherway to the arachinist, near the median fenure; a spoonful of that in each lateral ventricle; besin, moderately firm; cortical cabatance, of a light violet color, especially towards the hare.

Neck. — The apiglottis was narrower than natural, and about one line thick near its currenference; the encous mentbrane lining its inferior merice: was destroyed; the subjected cellular layer thirkensed, and of a light pink color; the upper rocal coefs deeply afcorated, the lawer only superficially, the aryteneoid carrilages, perfectly sound and denuded at their base. For one inch below the vocal cords, the lining membrane of the traches was of a pale reddish beases color, a little thickensed, and perfected by numerous small alconations. Near the bifurcation it was redder, and presented on the fleshy person two afcorations, from one to three lines in diameter-

THOREX. - The large were every where adherent at their earmin, by means of a falso semi-carolaginous membrase, fone a line to a line and a half thick, and over the remainder of their surface by a more or less dense cellular fistar. There was a very messed excuration in the summit of the left lung, as large as a grosse's egg, extending to the interlobular fissure, and containing a red, thick and troted fluid; remnants of inheroslous monter were attached to its inner surface, which was not invested with a felse membrane. Its sides were thin posteriorly, and almost entirely formed by the semi-eartilaginous false membrane we have strendy described, while anteriorly they were thick and industed, bring composed of a large quantity of grey and blackish substance, more or less unniimmparent, which was interported with a great many tubercles and interculous excavations, and occupied almost entirely the remainder of the libe. At the upper part of the inferior. lobe there was a small anductious excitation, containing a similar fluid to the percedug, and some grey and yellowcolored granulations. Analogous lesions, but less extensive, existed on the right side. The bronchial mucous mornhrane was of a bright red, and in the left long offered some ulcerarious. Heart and norta, moural.

Autourn. — Short and deuse adhesions, but unally broken, between the autorior parieter, orientum, and interfines. Stom-

sels, of moderate dimension; more to moderate and roll offs. ened is a part of the great cubileties, of a grayab cubic may the pylonus, white, maniflated, and of a good execution over a where else. Near the great currentons, and within two makes of the pyknin, than may so absorbed of six boos is dismost, the object of which were expected and formed by the school of and red missour marshrane, while the hottom exercised of the cellular layer, which me anorm and nove or usual theknow. Durbrain, search Smill intention contained a bein quarthe of much is in superior prisons, and a helial, propolifield in the largery shore, more amorous alconomo showedout in while length, but which were beyon in the mable portion. The most considerable mare from half an each as an incle in surface; the majority were form two to those book indistrict, should upon the purchas, dishordoral, and withthat edges, except when mind by intergular grandmines. The relimination layer may alightly thickened, and in their me-Oprals the masses membring was soluted. Commission existed in different portions of the great intention, the largest of which were about two inches or surface, similar in the commod the present and occasing robot. Their structure was similar to what we have described on the small incoding withthe exception of some small grey examinations in their centre, and the absence of indepeles in their circumbance. Wear the most firm were number theoretical, along the me of a a shifting, or rather larger. No change in the assessment or mesocolic ghode; love, rather selt, of variable color, from a selferith red to a deep red; bits minural; spleen was even inches long by tive in breadth, and easy from a subminor was of a sed violet voice, of an adipose and chinng aspert, and distinctly exhibiting only more vascular scritters, with new

white gueranted filaments. The other viscers of the abdomen, healthy.

296. The symptoms pointed out as peculiar to observations of the opiglottis, viz., the pain above the thyroid earthige, the difficulties of swallowing, the setum of liquids by the note were here remarkably prominent, and enabled us to recognize the nature of the affection soon ofter their appearance. During three anoths and a half they persisted with very slight variations, and, as in the preceding example, almost entirely engineed the patient's attention. The change of voice was room associated with the earlier symptoms, so that the affection of the epiglottis and that of the largust seem to have originated nearly at the same time.

297. In regard to the diagnosis of the pulmontry affection, we may observe, that at the period of the potient's admission into the hospital, the cough only disted three months; there was nothing characteristic in the expoctoration; there was neither resonance of the voice not pectonilogay; the emaciation was inconsiderable; in short, the general symptoms over insufficient to indicate the disease. There was, however, a dall sound under one of the clavicies, or in that region where inderecles are first deposited; two months naturally to the cough the had had beenogtysis, and from these two facts we did not besitute to comider him attacked with pluthing.

298. The evented state of the edges of the alternation in the stomach must not uscape notice; it is the only instance of the kind we have met. In analogous cases the mucous membrane was, as we have already seen, diminetly alterated, and preserved round the edges its natural consexion with the subjected byer.

The patient had been attacked, two years and a half before

has death, with a decase which he designmed as abdominal deepey, but the enverse actioners of the procuration provide it to be personistic, and the burnsy of the trumment is in favor of this opinion.

ARTICLE IL.

STREPPORT OF PROPERTY CORES.

200. There very meaning in the part affected and the extent and depth of the alcorations. Our of five paterns in whom they were confirmed to the formion of the week confu, only our had the reace affected, and this from the resched to the reconstile my preceding thanh; the aphasis afterwards became exception, and there were reconstant point in the largest. Four others complement of stant dryness and heat in the threat a few words before the fated termination.

In time cases where the elementary are small and superficial, situated in the controller, between the arytered carrilages, or the inferior closular vectors, there were between with more or less alteration of the voice, arms of less and puckings in the laryer, and softenpostly mare or less complete aphresis. These symptoms were slightly percounced, and except the bourseness slay did not areas in two of the patients. In three this symptom commerced eight days, and in the others six or eight mounts betwee death. The demonstraoll the past was openly variable. Complete uphasis existed only in two.

In the eight cases where the observations of the larges were deep, and the vocal conds more or less completely decrayed, similar has much more organs symptoms were observed. They commenced from one to five mentils believe death. The

hoarseness preceded the pain one or more weeks, and occanionally several months. The aphonia was present towarty or thirty days, two months, and sometimes at a still earlier period hofore the faul termination. The pain (and we are only speaking of eases where there was no ulceration of the epiglonis) was occasionally very noste, pengent, lancinating, and accompanied with a sense of heat. One of the patients compared it to the sensation of a raw market, and the presence of stem towards of blood rather frequently in the expectoration confirmed the companion. The pain was examperated by cough and speaking, varied in intensity, and was sometimes absent for a few mys. The cough in this class of patients had also a peculiar character; it was discordant (déchine) or whitesing; the deglithion was cosy, todous there was some affection of the epiglottis.

300. Thus, whatever modifications existed in the olcentions of the laryax, the symptom were always of the same nature; but they ratied used in insumity and duration. Housement was present at four lifths of the cases. Pair was frequently absent when the ulterations were superficial, but if these were deep it was continued. The same remark applies to the aptionis: we reay, therefore, consider an symptoms of superficial ulterations of the laryax, the existence of a slight pair of some combinance in this region, conjuined with a greater or less alteration of the roise; while, on the other hand, the presence of an acute, continued, and often violent pair, followed by a loss of voice during one or more months, indicated the existence of deep ulcerations.*

^{*}We have no Stought it nevertary is detail may indeploy them, on the accuracy of our description may be deduced from limit which are scattaged throughout the work.—Learn.

ARTICLE III.

STREETS OF LICENSTEE SEASON.

301. However numerous three ulceratorn might he, they robbine gave rise to any symptom. Only and process, in whose the massess mendouse of the maches was decreased over the whole of its notestar portion complained a long while before death of a menation of sums obstruction existing just above and posmics to the energies, which was sum fulloved by a dight more of heat. Some individual complained of pair in the larges, although this was not alcorated, and in the transferable largest alternation were attented near the hifterention, with only some way firminative ones superiorly. In our one there were proxymer of dyspacs for several meconique days , they could suickly after the application of a blitter in the mak. In other immuon, when even the disorganization was comiderable, the parisms lay with the head low, and were not liable to greater dysymica than when no meli olernation excited.* The expectoration pressured no peruliar obseactors; so that the only symptoms we can miniture to the morbid alteration we are comiferent too those which were experienced by the subject of the following observation, etc., a sense of obstruction, while a which heat behind the upper perion of the stemme-

^{*} Principles of dyspace here form qualitative committee from the symptoms of alcounted traction in Leaves

PEFFECUENTI OBSERVATION.

302. A size, et. 23, of a lymphatic and susquiseous temperatures, large proportions, robust, not liable to colds, and never having had a serious illusts, led for the last six muschs labored under the emjority of the symptoms of phthinis. The expectoration and alymphate last does note time; there had been occasional distribute, but no loss of appetite. Enseciation, however, had been evident from the very commencement of the cold. She had had no hamoptysis or pain in the chest, when, without my ovident units, she was suddenly attacked with violent absverings, succeeded by beat, pain in the right side, and extreme dyspates. These symptoms continued, and on the obscorth day from their commencement, she was admitted into the hospital of La Clustic, December 9th, 1822.

10th. Expression, animated; frontal headache; lantitude in the limbs and baint; pain between the thyroid samilage and or byoides; deglatition, difficult; slight heateness; a constant acute pain in the right side of the classt, negmented by cough and pressure, with avidently increased local temperature. There was extreme dyspoint; the lay with her head much elevated. Course-like brouchial respiration under the clavities, trached posteriorly and interally, in the lower half of the right side, where there were segophosy and shill sound on percussion. Cough, frequent, discordant, accompanied with a milky looking and slightly accused expectoration, mingled with some opaque masses, thirk, and streaked with white lines; palse, one handred, quick, presty fall; heat of skin,

moderate; tangue, rather red on edges, whitish in the centre; tenuation of dryness with slight reduces in the pluryux; them, moderate; anorexia; necessional masses with cough; cosmipation.

(V. S. 5 to) 1 decorates of tritions repent note nitre; gam potion; two anothers enemals.

The history was repeated on the two following days, and twenty letellar nerv opplied to the sele policies overess. On the 13th, a blister free inches square was solered, and in the 14th, the intensity of monly all the symptoms was discinibled; the policies has merchanish; the point in the mak and the alteration of the voice projects.

The improvement continued on the following days, on the 3d of January in agaptory rould be derived. There was exident percentage; between the scapele and construct colours on the right ride, in existence on the hit was disclosed. During the right she had two parasymm of dynamics. A five days abovereds the apopling was upon broad. February 25th, Percussion, probably the order the right obvioles absence of empirosay manner there; considerable dynamics, and the patient lay with the hard raised. These symptoms continued until death, which mak place in the 21st of March, The palm was more as free accelerated; bear of this, variable, greatest in the exeming and at right. Some arrights rights about every day, with right parapirature, which own frequently ecompanied with malarities.

The fixed pain between the digreal cambigs and or byodes was constant, though verying in intensity to the store was always modified, and apounds existed the last twenty days. The pluryux was slightly and but not swelled; the depleasion was at first difficult, then may, and again difficult theory the last fow weeks. To these symptoms another was added on the 19th of January. She complained of having experienced for tome hours a sense of obstruction behind and immediately above the stemum, exciting occasional efforts to swellow; there was no some of pricking or heat in the same region; the pain in the throat had ceased. This same of things continged during several weeks, and on the 7th of February and following days, an acoust pain was left in the ocurse of the traches during propination. At the same period, some cerebeal symptoms amounced a feeds complication. On the 11th of February, there were giddiness, headsche, and for some minutes loss of contriounness. No paralysis successful, but the headache persisted, and on the next day the vertigo returned. 28th. A sensation similar to that resulting from a violent brains on the right side of the face. On the 2d of Masch, the mouth was drawn to the Juli, the right arm very feeble; no affection of the right by. The feebleness some after extended to the whole of the right ride, and the superior and inferior extremities were reconsistely affected by pain, numbers, and less of temperature. Some unconferable prichings in the right eye, followed by a sense of hear; the pupil of the same side, which was at first the larger of the two, became very until. On the Stir, while lengthing with her companions, the true triend with lost of consciousness for some minutes. No sensible increase of cerebral symptoms on the following day, 16th, Considerable promutation; paralysis of the right side, almost complete; songue, deviated to the same side. 19th. Loss of speech, Jan she indicated her wants by gestares; delirium during the night and cortlemens on the 20th. This continued the following night. 21st. Afternate rigidity. and spasmodic movements in the right arm, and at esomests slight stiffness in the left. This continued and four o'clock

in the arraing, when rettlers respiration came on, and death took phose as midnight.

The appetite, at first good, soon shows entirely remed.

During part of February, there was pains in the appearance and right ilias from . Some moment of encoderable intervals.

Abstracts the desire for attending to the presences of course meetly came on, and when it dot it was about Polymary 7th.

Trugue, rather red, and course with moments applicant pattern, where nearly moments, and moments applicant in the largering of March. 12th. Tongon, count, 1 man names and fallows momings: the doublest over almost constantly present, but dight, with resonant colors to be not consumate.

Emilton deals, Sydorban's white deceases in the water, and minimal publicate were presented assuring to the symptoms. Leaders were applied as the laborat the commencement of the sarehal emissions.

Opining of the corpor thirty-fire have after death.

Exercise — Constrable, but out exercise summinion. Nothing the recentable.

Heart, — House of shall, very thick. Hereigh the probnoid, covering the upper and middle person of the left hemiaphere, over an extent of four square inches, was a membraneous, yellow, concrete substance, about a line in thickness, apparently developed in the pix mater. The creebal substance was a little soft, but not injected. There was a special of serious in each lateral ventricle. The inferior half of the reptors beginn was softened, pulpy, and its fragments floated in the fluid of the ventriclies.

Nece. — The success membrane of the largogral surface of the epiglottis was emirely destroyed. Superficial identition of the apper world road of the right side; that in the left side was almost annihilated; the lower was last extensively affected. The lining numbers of the muscular portion of the traches was descriped; the muscular fibror were denided, and more or less thickened in nearly their whole extent. Ten of the enrillaginous rings were expensed, as if the suscous membrane had been artificially removed. The remaining part was softened, and of a light pink color.

Thouax. — Right long, adherent at its samms by a thick membraness band; lower slown it was covered by a fishe membrane, about one line thick, with an undefined surface, continued over the displanguatic and could phone, and enclosing two quarts of limpid third. In the upper lobe there were two cavities ready suppy, about the size of a sur, communicating with the broachin, and momenous solvered subsector. The two other lobes presented a great many grey granulations. The loft long offered coveral inequalities at its surface, which were caused by tubercles; there were some excavations at its summit, rather smaller than show on the right side; the lower lobe was only slightly suggreged. Five or six ources of red-dish-colored fluid in the pericantium; the beast was extremely soft, of moderate volume, and of a deep livid color; norta, healthy.

Anomas. — Liver, fatty and voluminent; bile in gallbladder, rather thick, and of a bornmith color; lining numbrane of stemach, covered with some thick and terminous mucus, alternately real and softward in the goan cub-de-sacy healthy within three inches of the pylotus, this and manufated elsewhere; danderson, mound; removes pale, yellowish military granulations under the masson membrane of the small intestine; in the upper four feet; further down their number diminished, and they coused altogether in the lower third; middle-sized observation throughout the whole intentine, interspecial with internalize granulations, and reported by interreals of from them to eight inches; their bettern two the kink,
and the mission membrane a little debat had and the kernet on
the ralges in the greater member. The test electrical, which
included the decorated value, and the whole circumference of
the satistics was by fac the most extensive. The corresponding monular must was dishoused and decorded. There nore
neveral abstrations in the large intertion, where the buring
membrane was pale and out as musta; these caused within
there in him of the near. The house exciseled the gut, and
was about four liam wide. All the encountie glands were
enlarged and changed into advanced as more in the same state.

The remaining victors to the intelliby.

303. Notwer-standing the number of the various electrical which have been described, each gave rise twits possilar sympcons. Phthis presented its own; them of pleanity were distimely marked. The same may be said of the model state of the brain and its membranes. The alcogations of the epiglossis were pointed out by the pitanties of the pain, shows and on a level with the apper part of the thyroid carriage; these if the larger by the change of the voice, and subsequest aplentia. Lastle, the obstruction complained of by the parent belief the upper portion of the sterroim, and the pain in the course of the tracing during importion, justiced the surpictor of trans many or loss consederable ameration. We shall presently find that this last symptom extends also in runer where the rescous membrane of the market was murely red and slightly thickward; an additional reason for regarding it. of importance in the diagnosis of the businesses are new newtidening. The dyspoun was more, but the state of the

bung and plearse of the right side sufficiently explain its existence, so that we need not anothere it to the observation of the tracken; besides, it coincided with the attack of plearier, which came on when probably the affection of the tracles did not exist.

The mercain, muses, pair in the opigations, were in unison with the condition of the gustie mecous membrane. The diarrhors, though not copious, had presisted, almost uninterruptedly, sinc months; and we found the intercinal olcerations, without being vory large, by no means small, and very minorious, especially in the small insestine. The teamsmus complained of by the patient, though ant urgent, indicated some alteration of the succous membrane of the section; and we have accordingly some in the sent of ulcorations, one of which was remarkable for its modar form.

It is possible then, in some terrances, as we have before remarked, to recognise the greater number of the complications which arise is the county of clustic diseases, even when general debility is considerable.

In the following observation, the affection of the unabeawas still more pronounced than in the one which precedes, without, however, giving rise to any approximate symptoms.

SIXTEENTH OBSERVATION.

304. A TABLOR, Rt. 24, of a weak constitution, not liable to colds, received in 1814 a kick from a horse in the region of the pubes. A muser of a very chronic nature succeeded, opened spentaneously, and gave rise to a fatula, which for nine years was alternately cloud or doubtrying. He was admitted into the hospital of Lo Charité, February 16th, 1884, having experienced the last true weeks paint in the upper part of the thight, which rendered walking difficult. For one much he had complete and experimented, and he had had, at once, alight homophysis. Dering the last two months, the experimental had been defined, and the spara assent to help in the largue, where there was a sensition of dryness. Directions had been rather our a sensition of dryness. Directions had been rather corporation for more than two mentles, after which the appoints had about a temporaris.

extreme concernor | pains in the apper part of the thighs ineremed by any attempt to wath, which the parient found it above the symplose police, dicharged a small quantity of very this part. Lettle cough | experimentary or many, greenth, opaque, mingled with a certain quantity of impled means; not reach dysposis; percussion, every whose clear; to pecturiorphy or tracked proporation; a slight measure the was heard, but confined to the appearing; a slight measure the was heard, but confined to the appearing; a slight measure take was heard, but confined to the appearing; police, rather quick; heat, moderate; signer, rate; prosperations, explore; meanth, chaning; tongue, makes red in edger; meaners, almost complete; little thirst; abilities, yielding and without pain; its leptol stools.

From this period up to the 25ch of April, when death wellplace, no arrany consistent was felt in the cock. He only complained of a slight norman of the shout a few days before the final transmitten. The pluryers was always materil, and no change was observed in the trace. The experimental continued as before. On the 6th of March, percussion was closure posteriorly on the right sale than on the hall; there was also slight resonance of some under the right alarticle, and structure ride under the left. 22th. Percussion in the latter region, completely dull; the respiration there was trachenl, with imperfect pectoriloguy. The patient was constantly lying on his back.

The perspirations continued, notwithstanding the use of the acetate of fead in gradually increased doses; pulse, more or less accelerated; rigors, present almost every evening.

The appetite rapidly increased, the potient cating the half of the usual house allowance of head and vegetables in the beginning of March; this was the case to the last.

Up to the 19th of April the distribus was inconsiderable, but it then suddenly, and without apparent cause, because copious. On the following creating he was seized with extremely some gains in the abdomen, followed by prolonged rigors and frequent names. 21st. Much less pain; built, tympassine; tongue, and; slight alteration of expression. 22d. Pain had ceased; abdomen, sunk; stools, namesous, with extreme weakness; and on the 25th death took place, after an hour's struggle, at sen, s. n.

Discordian, julep and opium were principally prescribed.

Opining of the curpse treaty-two hours after douth.

Extrauon. — The rani of the pulses were decaded of their periosteries, and had the aspect of a substance which has been eaten by arms, and were successful by a thin, greyish and rather field part; the attachment of the matries to the descending tames was destroyed; those forming the boundaries of the absence were groyish and greenish, covered by a detritue of the same color and softened. The absence extended as low down as the middle of both thighs.

HEAD. - Two small spounded of fluid over the upper partion of the arachnoid; slight sub-arachnoideus infiltration; pin motor, stightly injected a brain, hankby an aposition of surrous in such housest remarkly.

Nexts — There arguided abstrains on the layagest surfer of the opiglants; the americang massar numbers abruhly; a small observation at the position of the cooling receiver; then alternation common of the trackets, pute and observed; the alternation common in number and size from about deviations. Many of the continguous steps were decoded; in some there were small, beautiful exceptions; to the some size of the form of the market of the competition of the soft-conditions were expected and orange destroyed, where these of the observation existed.

Cases, — Unicomed adhesion of both longs. The apperlate of the left hard was arbitrard appropriate with air,
with the correpose of a very thin, expensively layer; it prement a mobile and execution is an amount, periody inwant by a res. for a file numbers, lying on one grey, unnitransparent observer, incorporate was solutions. The earlity
contained a forbid that and grey of flath, and commissivel
with the broading where were torn earlier and more finishened from clausters. The remainder of the life affired
some most executions, and was should entirely manformed
unto the grey matter; of ich was thinky aproblem our tabers
calls production. Leave below to the products of the extensions
Three even some most supposited afternions in the left
homelia; heart, a short has the owner; meta, outstall.

Asserter, - Half is gurn of motol inches a fleid in the abdominal entity; no summarious with the absent leated the pulse; dight admission between some of the case

volutions of the small intestines by means of a 10ft, yellowcolored false membrane, which also covered the bladder and rection. The subject at personeum was of a bright red; liver, small and healthy; hile, rather abundant, viscid, and green colored. The storock contained a small quantity of yellow flood, was voluminous, and its amount membrane pale, and of a perfecilly natural finances and thickness. At the origin of the small attestine there were numerous squape, submittens miliney granulations, and throughout its whole length alcoration increasing in size and number from above slowersards. If small, they were smally partially concealed by the valvole connergan; when larger, they occupied the glundular patches, of which some were rientroyed, whilst others presented small plearmions, more or less approximated, with some slightly softened tubercles. The amounter time was not denuded, except where it corresponded to some large elecentions, and then only partially. In the excess and immersion colors, there were two very extensive alcorations. They encircled the intestine, and were at least three lacker long, presenting a greenh rugged unface, formed by the solumeous cellular layer, about half a line thick, while the corresponding nuscufar layer was veries its usual thickness. Between these two large alcorations there were six smaller ones. The descendiny color and vectors were necessied by others, extendly numerous, rustow, semi-ricordar and dask colored. The mucous membrane was red and of a subderage communice in this last. part. Mesenseric glands, voluntious, red, and partly takerenlated. This was the case with those of the mesocucum and mesocolon, corresponding to the alcorations. The other viscous of the abdomon were healthy.

305. In this, as in the preceding issuance, there were ulcer-

ations of the spiglottic layer and traction. They were slightin the first two, but to the last they were extensive, deepand accompanied with partial destruction of the absociation lages; but more of those below none adicated by the sympefrom. It was in you that we arroughed by quotions to side cover the manners of any symptoms which could be referred to alcoration of the tending. We show at regative tending alone, and our fulless names be unathought a deferrory of intelligence in the patient, where mounty was good and wood active, my to his rangest wedness. In pend of the assertery. of this last assertion, we would refer to our observations of emap in the ability when weaking was threat extensity present, has in which your a years or less owers painted to tractics was asymptoty completed of. Assert others, we mounter the race of a viscous wise died from photons, sed who was stircled not come, when the appropriate our as its enaximum, and who recorptioned of host and pain in the coarses of the scarless from the very communicated at the symptoms. of the affectors. It is probable, in the prosent automo, that the aboves of graphous new ming to the extremely thus progress of the decam-

30%. Although no are outlite to determine the exact period when the model state of the tracker remarked, we douk, however, it must have been of construction formation. Of this we have in some recessor a possition the colorine of continuity of many of the fibro-carrilages and or the chains of continuity of the operator monotrage of the Ordina in different points, for three decoders went have required some time for these developments. It may also be consisted, that this is the

^{*} Miranin nor is Dirag Common HALL TABLES, - Visio Resistables dissippants Fathelingspan sur Alexania Malania, Str., Sept. 1928 - Lorent

first matures where we have some the complete destruction of portions of the fibro-carrilages, and where the destruction of the muscular layer was so considerable.

307. Let us also remark, that the broading term only alterated on the side corresponding to the large excavation, but they were public and shicker them than classifier; and thus we have confinced what we have advanced on the probable cause of alcountes in the air passages, and the influence of the expectorated matter on their influencing appearance (50).

305. The inconsiderable simulate until within a few days of death, untwithstanding the number and size of the intestical ulcorations, must not be overlocked. This great disproportion between the symptoms and lesion is not common, and may perhaps be suritured to the size of the submission layer in the electrical portions not being, as in usually is, destroyed; indeed, this is the only example of large alternations we have seen, where the thickened mascular times was not more or less extensively densated.

309. When inflormation of the lining membrane of the tracker (characterized commonly by a bright red color, sometimes conjoined with a slight thickening or neferring), existed without afternations, in some instances the patients, complained of a more or less neuto pain, accompanied with name of heat in the neck | this was observed in three out of seventeen. Fire others suffered, during some time, from pains of the streat soft larynx, although no mortist change could be desceted in these pains.

310. If we compare the symptoms complained of in the first three corra with those we have observed in emop, where heat and pain were almost constantly present, we feel justified in regarding them, relatively they make in the master of philinis, or indications of inflammation of the master name-brane of the teachers. Perhaps we may also refer to the same cause the existence of point referred to the largest or faces, when the disjunction and roles are not afferred; for pain in the threat, accompanying inflammation of the master members of the tracket, is particuly analyses to what is felt in the glam point from calculus or the Madder.

311. However, was sensitive present when their was neither observation nor inflammation of the largegeal nucleus membrane, but it was then transitory, occurred at different printer of the discour, and was not accompanied by pain in the throng.

In combinion then, we find that in the intjority of cases alcorations of the largest gave row to their peculiar symptoms:

— that there of the epiglonia, if not extensive, were usually laters: — that there of the epiglonia, if not extensive, were usually laters: — that there is all surrections of the inner by querial symposium: — that simple inflammation of the inner to that simple inflammation of the inner to frequently excited heat and pain, the latter being assembles professed to the throat or largest.

CHAPTER V.

SYMPTOMS OF THE VARIOUS ALTERATIONS OF THE GASTRIC-MICENES MEMBRANE.

312. At deferee periods of pattiess, the patients experenced sympacts of surjeble intensity referrible to the secured. As these varied with the lexious of the mucrus membrane, no shall describe them under corresponding articles:

ARTICLE L

STREETS OF SOFTENION. SITE INDEXESSOR OF THE STREETS OF THE

313. As a variable period (orlidon at the commencement of platina), most frequently two, four, five, six, or more months preceding the fatal termination, the patients who were attacked by the method alteration we are considering, lost their appealse, and mon after experienced point in the epignotrium, which were often very accus. Some days, or even months subsequently, they had reason, then veniting, or these last two symptoms connected, and were succeeded, after one or more weeks, by pain. It was sare to see all these symptoms manifest themselves at the same time. In many instances they were intense from the beginning; in others, their development was gradual; most frequently they became more and more imapportable, and continued with variable remissions until death.

314. These symptoms were present in almost all the cases, but differed in intensity. In sixteen cases out of nineteen there was muses with epigastric pain, and in fifteen, vomiting. In three there were no very distinct gastric symptoms, newithestanding the serious nature and extent of the alterations of the mucous membrane (Obs. 10 (bit), 26). In some, the pain, natura and comiting were preceded during one, two, or three years by disordered digression.

315. The pain was pungent, Interesting, and occasionally

[&]quot;For gravier detail we poler the residents not Reclavalies Pathologiques, whenly coled, First Memoir .- Laura.

accompanied with hom; it possisted, in turns interest, the feeling of a low timeshing arrow the religiotions in others in could use be compound to any thing. It was anally emilyand and progressive in minutes. It was, however, at times intermitteed, reasing altogether a low data before doubt When very acute, it sugment the patient's storage, and so questions fixeign to the point new more and williamly, so that subm we but confully examined all the functions, the existexecul plabing might for a time lays been averlooked. The arrangement of the paint was the more resemble, riven we observed it in instance where general debiley was considerable, and the complications responses. The slightest pressure upon the epigastrium was insurportable, and liquida of moderate temperature appeared as if sook. Who can believe after this that the moons membrane of the strench is very instmiller, ar that it shows at sufferings in a very different manner from that of other organs? This pen was not smallly affectand by epium; it was sometimen diministred for toward successive days by Selture water." It was in one instance galored country tanly, a direction after a monograph, by a model familia. (Otn. 31).

310. The visitings were almost obeys tileous, commonly rare at the beginning, but increasing to propency as the discourance proceeded.

\$15. Light and our in nour court desired by none without much difficulty, while reliese each only comme to cat at a particular hour, generally to the nouring (Olio 182). The apparity organizedly improved for one or more works, though the means manifestor was accounty and exemptely afficient

[&]quot;Sold make there have The water man, — Common test 202 parts, man, and A , then man have B , such at time To , man, and D , in +,040 parts of water. — Company.

(Obs. 39). But somer or later, in the majority of instances, no kind of food could be supported, and over pure tratte musrejected; so that the dread of vomiting made the patients main the cravings of them.

318. Among the symptoms therefore indicating the enfocised condition and distribled consistence of the gastric nucous membrane, amorexia, names, consistings, and epigastric pairs may be enumerated. They afford us a proof that the lexions of the summeds, in common with those of the other organs, are characterized by pair and disordered functions.

319. When the symptoms we have described have been enmantly present for some time, say three or four weeks, we may regard as certain the existence of a thinned and softened mucous membrane. Daily experience convinces us of the much of this assessors.

320. Many of the observations scattered through the course of this volume (Obs. 31, 32, 39, &c.), may be cited in support of what we advance, but the following appears more than usually applicable.

SEVENTEENTH OBSERVATION.

A resease, at: 35, mother of several children, of a weak constration, and not liable to colds, entered the hospital of Lu Charité, July 13th, 1824; she had been controd too manufar before, and had suffered much in the left knew the last six; it presented all the rational symptoms of a white swelling. She was in the surgical word, and had two means applied, which were followed by constion of the pain and diminished volume of the joint, which subsequently became arkylosed. On the At Chard, and a minimum to be precised deads, we be the first on the 1st of August, after a great month disturbance, the was seized with internate open and flathings, enough, epigastric piem, names, and recisional vanishing that at the some time there but been slight augmentation of thirst and loss of appears. These symptoms, which had an e-precised, were concerned up to be seared heat of order course to or the courses, such proportion, and sensored research. The expressional had only been present ones. Outdoor, Sandy after, was price over fall in the right side of the chem, and after a week's denoted which almost introducing a the application of a filter or the presentation down were that and as presentation of the internal days; contains were that and any agency of the last configuration.

November 5th. Expossion, rather community great ground debility, the priors could barrie may be self is test; thirst, moderate: successo planta complete y tongue, natural a pain la epigentrium, which was southle to the stightest promite (finquent names, principally strong the right and after the rough, sometimes followed by billion continuous; whiteness alightly painful | marratiom, highly with process rolls | reach, most troublemme in the might, and have hosporat donner the day a exportmenton, white, sportment, theories, on a longe questity of elear fluid, responsive, rather applicated; possessor, lear clear on the lateral, possesso and boon half of the right ade chan us that of the other; respiratory common stranger under the right clavids with measured originates; palse, we builted and liftern, retail and week a temperature, medicate during the day, allocated at night; right in the avening with night perspirations | opproxime referred by the parient to the epigestrue, Which was the and of more interty and annalous.

(Substian of gum syrup; sice water with lemon juice; a grant of opious with gum potion).

The gratric symptoms continued, and became daily more interns. From the 9th to the 21st of November, two days before death, billour wantings occurred frequently in the fourand-trusty been, either accompanying the cough, or in the intervals; extreme undatiness and unsiety; sense of sufficestion, was vary scate point in the epigratrom | the slightest pressure there imorportable. Distrats for all find; the weakest broth earned a feeling of opprenies weight in the stormer. She afterwards comited every thing a drank extremely small quantities at once, and liquids at the ordinary comparature uppeared cold, like ice. The strong was assumil, or eather pole, to the 18th; it then became roll, but, amuning, and covered by white authors purches, which were frequently renewed. They extended to the lips, inside of the checks, and so the soft palate; at first appearing under the form of small spots, Like grains of starch, gradually mensaring, and by their union covering the surface. The stools were fluid, but not frequent suid the 18th they then became suddenly very numerous, and during the last three days were pasted involuntarily, and were almost constant. At the same time there were paint over the while aldonen, and especially in the right macбони.

The cough remined automay; expecteration, searcy and aparton; precurries did not vary. Deb. Trached respiration under the right clavicle, but no peconloquy; poles, small, week and repul, except theirty the last fear days, order it fell from one transland and feary to one breaked. Great sensibility to cold. The patient was resentably changing ber position in but, laboring unfer the greatest general unexistenand making, no that it times the could hardly tell where the our enforce. No delicina a to observed before death, which took place November 25d, at on, a. st.

Opening of the surper treaty-us have often death.

Execution - Entreen emusition. Noting the centre

He cor-Slight substraction (althous or best, healthy); two small quantition that is the right board scatterer; restor how in the felt; so other alternate.

Norm - Epiglotos, Ligare and tractica, buildig-

Cover. - Lab has normal administ, promping at the dotted for busine-drawn a shit regge on bravitary offsical See as to become a so should have a heart of order and he and bittings and character elasticle to refuse our there by a redded and a purity annulus I court. There were also in other years pay employed, muc of which were immediately breath the places, and peak is premisen, Wells hore, mirrorally affirms, by noun of a shoble files. mentioned, the Edite of which were Study commend as well as This was thicker intricity, must it was above, not shograms you was manhood and adventured assure. Time, were nationally soften and grey grandation under the pubprincip plane, and reportally where it lies to be investigated funnes, the religious Cwitish, in the slepth of about a line, were restored into the grey and attornate parent salutages. At the numerit of the upper laberthere was a public word steevalue, entraining a small quartery of pury extraorance medthe househir, but not hard by a distinct false memberson. The palmoney, permelying was rather fenire in its annualistic neighborhood than electricate. The breaches were of a bould red over about the excuration only. Heart, small, boility. of a fem texture; more natural,

Antenga, - Stonach, of moderne volume, containing a small quantity of includ file; the superior half of its resecut membrane, to wistin three inches of the pyleons, our of an unequal yellow tinge, and with the exception of some small spots, soft as mucus; in fact, with the back of the scalped if could be senged off like riscid muous. The softened part was much thisner than noteral. Near the cooling onlice, and in the small curvature, where the softening and donnished consistence were least evident, the mucous membrane offered four reddish elevations, firmer than itself, about a line thick and rather less in broudth. No perularity observable to the vestels which were under the softened numberse. The lining membrane of the small intenting was of a price-peak buc, and of normal thickness and remistence. Some small observious occupied the last glandular patches. The large intestine contrined a Bule thin, turbid, reddish fluid. Its mucous membrane was of a violet red color, minutely remaillated, slightly thickesed, and not finner clair angus. In the ascending and transverse colon there were three ulcerations, of a line and a bull in dismeter, with denudation of the corresponding susualar cost. There were also some smaller ones is the soldle of the rectum, close together, and fined by the submiscous layer; this was epaque, and every where three times its natural thickness. The liver was rather volumerous, pule, adipous, and extending below the ribs. Bile of the wall-bladder, moderately thick, in color like the jaioe of perserved praces. Soloen, of ordiwary dimensions, parrielly invested by a thick false membrane, containing much tuberculous matter; it presented incomally about sixty generations of the same name, surrounded by the healthy parently one. The measurement and small our ption offered on their motive some small tuberculous parches. The other visoers were healthy.

221. This observation is convenient in many request. the first place, the couple credit of the facts power that the affection of the laws and that of the atomatic extremery of multiproudy, which is by in mean med papel while in the majority of some or reliable also complication states, death in most frequently to be sampled to the house, it was in this imizons enough eather by the store of the seconds, thou by the other bears. From the areal ampunicance of the going completes, it would have been our miles care, in we have already moved, to have constructed the process of philoso. The person's attenuous was rebothy directed in the element, and a was necessary to him bir, by repented question, to speak of the state of his close. The progress of the softening was not try mid, and yet in more saw such minim againty and presents, or as computer an expression of suffering. The surrousen of the companies is particularly smaller of amounts in their little memity at how along the lesion of the mononmembrane was incomplicable, and their minjurgoist jusarese afterwards. In the beganning me fact study epigantic palm, meson, and common extined by exogle; the names is then presuppose; the receiving resource to the immunity of the rough centity of hile, and shily iscomes in frequency and regimences; there is a gradual measurement of paint; in them, the pyreptom we always proportioned to the model charges taking place-

392. The decition, an authority vector arounds the close of tile, is also a very reportable fact. It was accompanied by some pain throughout the abdomina and infected without doubt the commercement of our of time severe cover of vectories so frequently developed in the instantage of photons (254); and which so repolly produce the softening of the emotions members of the large intesting. Let us also remark.

that this softening corresponded we a considerable thickening of the submucous layer, which remissed in subscurse, although two earnest but scarrider its freewood thickness as the court of source inflammation (135).

323. The same of the long and plears of the right side ment attention. The former, on account of the exercation in the opper lobe, which offered the very ram example of a tabarculous cavity of a certain size, immediately convended by almost healthy pureachyons, or which was but a little hardened; the please, on account of the false membrane or its surface, and its subsection maniformition; a fact we have sever observed except when indexels assisted in the large.

324. The planting which give rise to the ampliances exalision mans on only a rough before death, that is, when there were also by inhereby in the semant of both large, and more reperially of the right; we cannot, therefore, attribute their development to this inflammation. We cannot, Element, suppose the pleasing to have been the cause of the tabenches simulal immediately under the pleasa, since these none signally present on the left ode, when she has may less from all adhesions, and the please restand.

325. Leadly, the submersion uniter developed is the false semberous covering the right pions and spleen, in the subsmare of the lates, and an the periodeal enfare, was every whom amorphised, in the same stage of theologonaut; the same as require, as we have already recorded (210), the presents of our and the same cause simultaneously setting upon different organs.

ARTICLE II.

10%. The right individuals in whom we have conversed that model condition experienced doing a variable speed of those motivate point, best in the epigentonia, whereast models must fee bed position. Only one was example from pure and in the motives platfor had better free years, and the appears but but mounted platfor had been only before deaths.

BAX. These symptoms of an afficient of the process normbrane of the susuach more not all possess at the same time. Assessment in-panely made of charged, and the expedien a time assembly pair in the opposition. Persons in this region forward the party and then one often a homing remains, with near well-buy and complete reconsister, and what larger from the minutes are seen to be the factors from Annew was the last or its appearance, very parially in frequency and durants, and accounts substitut by the creation Variating only becomed to the between, to one of these the spread matter was killions, in the other of the and coupal. In every manuse there was follows in the equation region, produced to the say direct in tolay the effect a fact of self-lags more than the contract on the party of the party of the party of were sured by information of the source series of the monda.

22. The symptoms with all some duration that when the numbers were thoused and school is they were precelly present becomes to some neighbor. The progress of the affection was chronic, though the pain and other merbit pheatemera were occasionally very targent. The following is one of the most interming examples that we have sollected.

RIGHTEENTH DESCRIVATION.

As unmunted female, at, 26, of a mong constitution, of nervous temperament, and who had suffered constantly from golds during the last five years, entered the hospital of La-Charité, January 20th, 1823. During the first two years and a half, some of Lev symptoms had been orgent. After this, there was an increase of enigh and expretoration, and for five mouths a constant spining of blood, netwithstanding repeated blendings and the application of freehes. There was some slight improvement in the general symptoms the two following years; she almost completely regained her strength and flesh; the estuments, which had been suppressed during eighteen months, recovered at their ment intervals; in there, the sufferad from nothing but a slight cough and some dysputers, when in Navomber, 1822, after duning, the was attacked during the right with violent rigors, followed by heat and pempiration, accompanied with print in the right side of the chine, and increased cough and dynascen. From that moment, the eliterings returned every evening, the pain persisted, and on the sixth day she was unached by an hamoptysis, which contireed, though gradually diminishing in intensity up to the period of the purpost's afunition into the buspital.

James of the Opproving headache; considerable delitity; frances was shooting pains between the shooting; cough, frequent at right; expectoration, growth, arealed with

blood, scarry; this was mingled with a clear, freely, and more copious fluid; a muceus ride posteriorly on the right side; every whom also, respection was healthy; no resonance of wave not perturbagy; tomor, mound; thiest, surgent; anorexia; names from cough; opigunisms, resolide to pressure; constitution.

(Pertoral prisar; prement manure with annuous; two much rice comme).

January \$20. Spots monunching (polymentry, arrangly a clear outco, without my over of blood; the posint complained of seem pain is the right time a souther near applied with decided rules. On the next day pains in the applied trium, with materia in the intervals of the match. From this period until death, which such place on the 17th of May, the following symptoms more observed.

On the 27th of January, there was a fresh pair in the right shoulder, near which a response rate sampled with a greeting could be house. On the 90th, the pain had becomed, the respondent that more soon, and armount, the course frequenty and the experimention clear with thick spots of flood blood; a for empirious was bound over the whole of the right rule of the chest. Policy very root, smill and weak. Eight ounces of blood were taken with promps robel. February 5th. Another atrock of pune dight co-printion vodes the right namena; this also roudly yielded in an application of brecker-Salampointly the print dyspania and corporation, with orgamust sellout and rather second spots, were recovedfrom time we turn, and combaned by the more memo, ranted seeming to the susually of the pariety. On the 5th of May, there was wishest posteriorpsy between the scapela and apoint relians on both tides, with dalarm on passenties under the ngte clavele, where there was some fire emphasies. On the

11th, there was slight homograpis, and the expectoration assumed a dirty grey color, which it retained to the last. The ancesxis and sames continued some days, after which the appetite improved, so that she ato one fourth of the fell allowance, with only a slight feeling of oppression after every meal. In the commencement of Murch, the morenia, with sharp pains in the epigastrium, returned. On the 15th and 16th, there was almost contest games, with small billion venishings and sense of heat in the epigestric region. The loss of appetite continued, the names gradually cented, leaving headache, general lassitude, and some bilious remitings. During the worth of April the same symptom were observed; the epigastric paint were very severe, and the vomiting of hile occurred at intervals. On the second of May, increased auxious and ununiness, with tendencess of the abdomen; constant epigustric pain, increased by the slightest pressure, cough or movement of the body.

The torque, which had bithento been manual in color, became very red, and covered with small, whitish, membraneus patches, easily removed. These appeared and disappeared several times, and the pair in the region of the stomach after a slight distinction returned with great intensity is few shys before death. Distribute came on during the last formight; the pulse was constantly accelerated; the heat of the skin increased towards the arrowing, with frequent night penapirations; the rights were such more rate.

Opening of the corpus treenty-six hours after death.

Expension. - Expense marking. Nothing else remarkable.

Hean. — Adhesion between the araclassid and dura mater, near the lengitudinal fissure and in other points near it, by means of some white, opaque grandstant attached to the ameliacid, which was more or less thickened and opaque in the corresponding portions; the sub-ameliacidean infiltration, mater copours; errobral adottore, softer than neutral; three spicersful of fluid in the tell lateral ventricle, rather less to the right; traff's spoonful of similar thad to the neutral training, which was melf flux and resisting.

Nees. — Lob revisal glouds, rotunismos, tuberedited, but not softened; similar may of the broadnial gloude; largue and epiglotic, returnly senden, of a pule pink enter, realism alcoration.

Thomas, - Some eligit cellular advasion at the summit of both longs. Examilly these were whitish and slightly pink-enlared efecutions founcil by the tabriculous armer. In the upper labe of the right long there, were two marities comnumering with the beauthin, and a nevial number of inderwhen suppossed by the first, generalisted, beginning long, inpermeable to the air, of a red infor asternely, and a pollowith grey posteriorly. In the lower labe there were only a few inderention granulations. In the apper part of the left langthere were more book excavations, and same semi-opaque, grey grandsfres, sursunded by a grey, seni-transpused substinct into which this labo was shown entury changed. The lower rentained only a small possiber of granulations, and was alightly compacted as its book. There were fear manage of centility in the presuminous; the beast was easill hat bealthy ; the atera and polimerary merry, mond-

Annuals. — The liver extended four incluse below the false ribs, was enlarged, adiptors, of a towny color, spotted with red, and of ausdernos density. The gall-bladder contained a dense black, stringy bile; the contact discontini below the treat of the illum, was voluntated; much clongwed, and

partially overlapped by the liver; its firing membrane was covered by a thick ciscous muons, much more abundant over its interior surface than elsowhern. In the former part it was of a highi cod, evidently hisekened and rather toltened; in the remainder of its surface it was of a vale red, and was of a healthy confidence and tilekaras. Durdman, healthy. The mucommendation of the mail intesting was slightly grey inheological and easily torm, with how and there executor shorisations, said present sever well dark alcorations, generally distributed, of two lives in diameter, with trade appreals between them-The lining numbrane of the large months was greyish or blackiels, and avery where softened, with regive small algorations in the according resting and three in the person immedately above the splineter and; the mucous membrane was slightly described on their edges, and the recompositing rabmucous layer greynh-colored and a little thickened. The mesentine glands were healthy, but mound the bilary yeards there were minutens tuberculated lymphitic glands. Sphere, small, with four inhumles, of the size of a small put, in the middle of healthy texture.

329. Let in reflect a moment on the facts of this observation. The reform of the atomich our very considerable, it extended how doors, and was partly covered by the linear; the automa artifician lining the automa natice of a bright red color, thickering, and a bittle softened, most oriderally inflament; the inflammation was almost limited to the person overlapped by the lover, which renders the influence of this segme on its development very probable. The autorexia, epigatore pain, mann and taken venetices were in union with the gastric lesson, and from the originey of the langer, we might have satisfacted the more serious alternation of soluting with discissively thickness. Through characteristic progress, the symptoms daily sequend greater inensity. Thus this mean of generics, which provided in never negletic of our cases, gave rise to consensation symptoms, only varying from the neutral and form by tung less argent, and by the abstracts of varning in most cases. This fact confirms what we have advanced to the preceding articles, anomaly, that the atomatch, in crossess well the other argents, receals its models alterations by pair and the greater or box dominance of greatering.

We shall shortly specially accorder the state of the torque, but on may been remark. They to the bed continuous a retained in second approximate, they it was aven pule up to the memory when it was several with an applicant exactation, as period from infragrant to the myorism of the gaussia.

330. The directionant of submedius masur in the lyaplante glands is worthy of notice. The morne sumbrane of the traction was of a very pale pink estap, income time what we mostly observe after a variety of other discuses; it was neither softered are thickened; it might have been consolved perfectly healthy, and consequently we have no reason to afterbate to it the state of the cerrical plants. It well however, perhaps to thought, that the state of the glasty exceeding the believe counts, wight be explained by the inflammation of the name rooms membrane. To the we would reply, that if some of the lymphotes of the stought travers the glands as question, it can only be soon puring through those cornied an the small surveyers, and if the inflammation of the success membrane was an enforced to transfers their latter into inherentous matter, we reason suppose it capable of afferting I'm more thanks. Let me add also, that we have only seen the toloreday transformation of the glands excounding the

biliary duets, three times, and that we have never seen the same alteration in the glands occupying the small or great corve of the storaich, although a somewhat chaosic inflammation of the gastric mucous membrane was very frequent.

331. We shall be very besef on the morbid alterations in the large, only remarking, that the frequent recurrence of inflammation on the right side confirms when we have advanced (286) relative to the imminutes of paramonia in phthisis, and that tubercles may be regarded, in this respect, as foreign bodies, the inflamme of which is almost always less injunous that of internal courses.

ARTICLE III.

SYMPPONS OFFERTO WHEN THE SECOND MEMBERS OF THE STONACH IN SECOND STONE OF THE GREAT CULDER SC.

present or accompanied with small alcerations, or a manifhard state of the miscous membrane, we could seldom detect any symptom which might be considered obstaconistic. There had, in some cases, been diminished appetite long before death, but this, with some exceptions, seemed to coincide with the progress of the principal affection, and was also present when the gastric reacons membrane was sound. In the majority of cases there was only complete ancesxis from ten to twenty days before death. In two instances, or one minth, towards the close of life, there were muses and epigatic pains. This absence of symptoms attending an alteration which is muchly very serious, and which presents the characteristics of seate gastritis, has made an suppose that in the posjecty of cases it came on very shortly before death. 333. The following is one of the two cases we have menumed, in which the gentric symptoms had the largest disation and greatest intentity.

NINETEENTH OBSERVATION.

As emismed noman, at: 48, tall, of a strong communities, and not having montroated the bot not yours, control the hospital Separather 220, 1822. She and she had been ill nine months, was never subject to cold, and find me had presentation, at the commercement, cough, experimentian, dyspites and night events; these symptoms permissel, gradually increased, and the perspectations had become copium. During the fifth month the war attached with homophysis, which lasted two days, with prin in the right ride; the latter has time communal, though less soon after it commerced; the is obliged to in on the last tale. Rights were rule; the outlies of apprecia since the invasion of rough, and to four attents the pattern has only taken a small quantity of holest meat with bread; thirst, organt; constitute from the first.

September 3d. General headache; subject the last six mentle to giddiness on assuming the sertical position; nose and lips listd; ther with the head mixed; respirator, nather thoracle and recolorated; cough, moderately frequent; spata, seastly, clear, spanious, or greenish, and with white suraks. On the right side, anteriorly, and especially extensively to the manners, the about was shill on percussion; there was no pain, but almost every where garging and very course exeptation. Under the clavicle there were tracked respiration and indinate perconloquy. On the left, nothing peculiar, either by

auteulinion or percussion. Pulse, frequent, mequal, irregular, and accommon intermittent; the action of the heart was attnible in every part of chest, and accompanied with pretty atrong impulse in the percential region, especially under the aternam; much, climany, with bitter tasts; thirst, argent; amorexia; torque, rather red in the centre; pain is the apigratures for some hours; amore, rather frequent inmediately after, and in the intervals of usugh; toroch, contive; abdamen, rather sympositie.

(Compound decortion of mile with nine; gam potion, with thirty drops of fines, digitalie; swelve becoker to she arms).

From this moment until the first of October (day of her death), continuance of the same symptoms; the moregin, manner, epigratric pains were more or less urgent; no vomitting. A small quantity of scap tild act appear to increase the marsiness; the torque continued red in the centre; there was night district, with some pains in the right side, in the direction of the colon. The pube was less irregular twenty-four learns after the application of the leaches, but afterwards its irregularity dely increased. The lower extremities because infiltrated; perspirations were copious, with occasional rigon.

No seasible change of expectoration. The dyspace rapidly increased, as times requiring a string posture; the pain under the right manner continued more or less acute to the last; death took place after an agony of some hours.

Opening of the corpse trienty-eight hours after death.

Extranor. — Slight inflitution of the fower extremities. Reduces of the ride side of the face where the head reason.

HEAD. - Some nearly floid soft-much middration.

Chap. 5.] SOUTHNING AND REDNESS OF LUL-DROLD. 273

A spoonful of severe is each lateral vestocle; the rest of the brain was entirely healthy.

Tuesaax. - Dense afherican at the summit and base of the right long, by means of a frus, thick, much ramon offesion, Between these points, the filter membrase formed a kind of sack, traversed by Claments enclosing in their intervals a small quantity of clear reddish fluid. A large ragged excavation occupied the summin of the right lung, limit by a shable false membrane; its firmest layer was in contact with the pulsationary structure, which was stilly healthy, or more or less severely altered; a communication existed between this easity, the brouchia and numeron small stayties. The lower lobe was congested. No afficient of the left long; it contained a few crude inbescles, and a small quantity of the grey, semitransparent matter in its upper lobe. The heart and pericardism were invested by an unfulnted false membrane of tolerable consistence, a line or more in thickness, thinner upon the auritles than upon the ventricles, and bathed by a small quantity of alear reshish fluid. Parietos of the left vestricle rather thicker than natural; those of the naturales trans, on the contrary, themer than much. Lines; membrane of the arms and as branches of a bright red color, without any charge of thickgest or combitmer.

Associate. — Two query of ober fluid in the perioncal cavity; atomach, reluminous; living membrane, thick, very not, of a solet red in the large extremity; of a grayish color, maniflated, and of increased thickness and consistence in the perminder of its extent. The mucous membrane of the small income was of twice in usual thickness as the upper three fibbs; color and consistence, every where normal; there were three very small observations near the ileo-caucal valve. That of the large intention was much softened throughout in

whole length; of a pule pink color in the descending color and rectum, with numerous small alcorations, deminishing in number from above downwards. Mesentene glands, healthy; a liver, rolaminous, congested, of a preyab-yealow color, spotted with bright red; hile in the gall-bladder, thin and light colored. Left hidney, of twice its usual volume; the right, at least four times as large as common, with an uneven lobulated surface, almost wholly consisting of a membraness sac, filled by a clear, dark-colored fluid like urine, and intercorposed by a transverse separate, pierced in its carner. There were no traces of the retal structure except on the convex edge, where there was a layer from two to three lines thick. On the neek of the uterus there was a toft vericular polypes, of the form and sine of the usual; the other vicera appeared healthy.

334. The lining membrane of the atomach was here the seat of two very distinct alterations; the one, comining of reduces, thickening and softming of the portion covering the large extremity, was recent; the other (the mamillated state) was the result of a chronic afforcion. To the latter we might be inclined to attribute the anorexia which was present at the early part of the discuse; but we shall soon find (340) that we have no antiafactory reasons for doing so. As to the epigastric pairs and names, which were experienced about a month before death, they may be compared with what we have observed in the cases of the preceding sections, and evidently indicate a more secent affection than the maniflated state, which, in fact, has never presented to us the same symptoms; they must, therefore, be referred to the inflammation of the macous neculerary of the great cul-de-use.

335. It is very remarkable, moreover, that notwithsmading the co-existence of so many serious lesions, the one we are

now comidering gave rise to very distinct symptoms, dualities nearly as they would have been in a case of simple gaussia, and that the same remark will equally apply to the plearing, plashing, and pericaolitie. The fever at the removement may be ascribed to the development of the paleometry tober-eles, for all complications were absent until some time afterwards; and, nonvoice, we shall relate cases of simple plathins (Ohn 27, 49, 49), in which fiver mans on at the same period, and with greater intensity.

ARTICLE IV

STAFFORM OF STAFFE OLIVERSTON OF THE GOLDEN MORNING.

336. Of this condition, as we have already and (96), we have only not two examples. In one, where a single alteration of about two inches in surface existed (One, 38), the patient experiment during the last three another of life a pain in the apigustrians, incremed after meals; during the same period there was diministed appealite, with show and painful digentions; the other instance we shall now detail.

TWENTIETH OBSERVATION.

A case, et. 19, of a servine resperament, and week and delicate constitution, naturally thin, not lawing menutrated, and subject to shortness of breath from her infercy, was admitted into the hospital of La Charité, February 21th, 1924. She had been ill three years. Her ifform had commerced with a violent homophysis, recurring two slays afterwards, and treated by identing. This hamorrhage tabsonursely reappeared every two or three months, more frequency during the winter than summer; the last attack was about a month before marance. It was always accompanied with afforts of vomiting, and the patient believed that the blood came from the stometh. Cough and experionnou commenced with the bassoptysis, and had since continued; her habitual dyspaces. was much aggravated, and she had been amound occasionally by pains in her chest. Nussea and vomiting, often necompanied the paroxysom of exough, and diarrhou with colleglasting a few days or weeks, had not been infrequent from the beginning; the appetite had always been premy good. During the year before entraces also was very subject to rigors, and for fifteen slays she had had heat in the evenings, and eight. perspirations; no thirst. The patient had continued to grow taller, and assured my that she had lost but little flesh,

February 25th. Face and the rest of the surface of the body, pale; little appetite; songae, a little which; apigminium, not painful; atools, not painful, but mee; beenthing, rather accelerated; slight opprenion; cough, often dry, most trouble-tone at night; it sonetimes caused manus and coming. Spata, thick, greensh, semily, lying in a limped fluid like talive. Percurson of the chest, away where clear. For about four netics under the right classic there was a coarse and copious crepitation; and is the corresponding point posteriorly, there were tracked requirement and imporfact posteriorly; on the left side this was quite distinct. Pulse, rather quice; heat, moderate.

(Infasion of violets; to sit over the vapor of hos mater; six leaches to lable; a fourth of house allowance).

The progress of the disease was slow, but constant.

From the beganing of Minds the appoint greatly demands. ed there was a seme of reacht in the appareum after food, with almost constant pursus and varnings, either abot or in the interests of the course. A small quantity of bile was sometimes mingled with the converts of the storach; the munit was planny, and had a binur more during the whole of this words a the tensor was whitish in the center, and a little red on the rulers. In April, the comprome more more tirgent) the mildret shocks cannot approxime in the opigatrium, and term conttinue tomited; very rardy pure himwas rierted; masen was resonant; appetite, almost gone; expression depressed; tosspor, irritable, with frequent anxiicry; the thirst became very organi, author my change in the appearance of the tempor; the never complained of epigauric pains. The want symptoms conducted until death, which recurred on the 19th of May.

The strole herance note towards that end of March; they were floid at the beginning of Apol; and preserved that towar character, though never nonceross, there or four a sky to the last; they were necessipanied with very table eithe pain.

The dyspace rapidly increased; the eaugh was always more organ during the day than at right. From April aborquia were immediated, with a ragged, threadent appearance, and after the litt of May, growing, that and purelist. On permittion the right was very doll anteriorly and on the left, to-wants the red of April. From the 18th of March, under both clarifles and in the corresponding region posteroidy, there were trached empiration and pertonicipay. Under the right clarifies, occupying a considerable extent, there was a very course corporation, with oscasional gorging. At the end of April, this double side was oxident on the left side, first marriarly, then penteriorly, through almost the whole extent of the

chest; this continued until death. There were from time to time paint in the left shoulder, eight side of the chest, or in the laryax. Heat of surface, much obserted; copious night executs; rigors care, and from the end of April the pulse was rapid.

There was a variably interme but constant hoodenby; and from the 20th to the 30th of April she complemed of continual tendency to decreases. These symptoms disappeared spontaneously. Slight delicions during the last turnity-four hours; gradual loss of strength; and she was wholly confined to her hed after the middle of April. On the 18th of March nine levelus mere applied to the labia; a guan potion, with a grain of opinio, was almost constantly prescribed; the disablera, when severe, was treated by the white decoction and disacordism; the food was limited to some rice creams, and for the last six weeks scarcely any thing was taken.

Opening of the corpus thirty hours ofter death.

EXTRRESS. -- Extreme emeriation; no redenta.

Hears. — A very small quantity of fluid in the lateral ventricles; hrain and montheness, perfectly lendthy.

NECK. — Laryax and spiglottis, natural; nations membrane of traches, of a rather bright red color inferiorly, of good consistence.

THORAX.—Summit of the right lung, adherent; the left perfectly free; both lungs voluminous, of a light pink color, becoming deeper potentially. The upper labe of the left lung was indurated, with some yellow-colored elevations on its surface, corresponding to small subcreation excavations, separated by a very this layer from the please; the whole labe was converted into half filled subcreations cavities, separated by the grey semi-transparent matter, or the tod, granulated, hepatiped lung. At the summit there was a middle-sized excavation, communicating with numerous, very much dilated benealed remitestions. The lower labe was slightly congested, easily term, and interspected with solverdes. In the summit of the right long those was an excusation four times as large as that of the last; the remainder of the labe presented a nixture of gay matter, tabenelus, and healthy structure. The brenchia were red and not thickened; that bronwhat glands voluntaring, but not tobercristed; heart and auta, natural.

Annones. - Scornell, rather matter than south containing a little yellowsh fluid. Its hong mendrans was white, amouth, and mar the pylonic eavenry with a thick mieus, With the exception of this region, and a small portion of the great cul-ile-sac, it presented from seventy to sughty oberrations, from one to two lines in dismeter. Its destruction in the corresponding points was not always complete; it was conctions only thinsed, so that the thinning was in bands of the or three base wide. In the entreals of was pale, and of nemal ibickoes and passessee. The moreus psenhane of the small intentive is as healthy. That of the carron was red, much softened and thickwood how and those. In the colonit was only rather unfur their amount. No alteration of the measuring and measuring plants. The layer was pale, rather soft, of word dimensions; atoms, one inch wide, and five lines only shigh; the other vicens were healthy.

A37. In the majorny of cases where the exposes membrane of the stomach is alcumid, it is more or less thickened or azamillated in the entervals, but in this example no such alteration was observed; the alcumines sounced antifently produced, and had they not been present us might have said the membrane was quite benishy. At the same time the gratic

symptoms more rather severe, and there could be no doubt of a more or less serious become of the moreous membrane; there was no epigasmic pain, but names and comming were present long before death, continued to the last, and notwithstanding its slow progress, the affection was always plainly marked.

308. The healthy emplition of the muceus membrane of the small intestine most not escape attention; that of the exten may only slightly solution, while the distribute had persisted several months. It is probable that, order these discommunities, it depended for a time on a change of accretion not caused by inflammation.

339. When the only linion of the gasaric micross membrane was the samulfletted state, we have not been able to detect any symptoms by which it might be recognised. In some cases the appetite was diminished from the commencement; in others from the middle of the disease; and more rarely it continued good to the last. A small number presented, at considerable surreals, states and considerable surreals, states and considerable surreals, states and considerable surreals, states and complained of. In three others this region was matter somble to pressure; but this eight sensibility of the epigastians is often posent in acute catarris, when the cough is frequent and the stomach braitby; it might therefore in this instance have been caused by the cough, and on that account cannot be relied on as a symptom.

340. We have compared the above symposis with those experienced by potents where gostric moreon membrane presented no afterestion, either as to color, consistence, or thickness, and no difference was observable. In both the asserxia had commerced at very variable periods; some of the latter and also makes and voniting at distant intervals.

The loss of appeale in cases where the muores membrane

of the storagh was healthy proves that anomals, even when protracted, is not sufficient to determine the pressure of gastritis; when not strengthed with pain, masses and somittings, it side title to the degrees, and is mostler pool (25th), that a function may be for a long same desirged, without any appreciable absorbing of transmit in the argum which discharges in. Health, it the manifestal trans of the morning municipals the the mostly as no believe it is, of very chance inflammation, we can provide the attentity of mangening its symptoms in a discour in which the hoselism of the storage in symptoms in a discour in which the hoselism of the storage are desired in the concern members to perfectly scaling. This would not, perhaps, be the case who show on ex-existing semplication; at least we may present in, from what occurred in the two symptoms of observance.

341. When the grateric secons mosteries was more or lear red in its whole extent, without any attention of thickness or consistence, we have observed difficit appropriate (so episgastric point or more) a few days only before death; symptoms which indicated more inflammation, not the was emilled by the nature of the approximate after death.

342. From who has prescribed, we may conclude that the greater number of the method moditions of the summark is characterised by provide symptoms. When it was thinned and softward has of appetite, masses, believe consistings, epigatric passes were almost constantly present, and generally some time hafest death. When the inflammation was contract to the anterior surface of the strangely, the symptoms were much less argent, commonly less answerous, and of shorter duration; the loss of appetite was more or less enough not siderable; there were masses and epigustric pains, though not

wolver, and in use fourth of the cases, wanting. The same symptoms were observed when the ulcerations were large, or when they were small and amoreous. When the inflammation was confined to the microus membrane of the great culderate there twee no variatings; names and epigastric pains were achieve observed; this frequest absence of symptoms made as conclude that this inflammation came on towards the closs of the disease, and perhaps, in some cases, like premmonia and pleasing, in the last twenty-four or forty-eight hours. Finally, no symptoms positively indicated the manifold state of the micross membrane, and when it was universally red without any change of thickness, or consistence, a part of the patients experienced somes and epigatitic pains two or three mays below death.

This imple interment of facts points out, we stink, very elently in what light we ought to regard vonitings which never in the progress of phthicis, conitings which have lethered been classed among the ayurptons of the disease. When they have been preceded during a certain time by more or loss morexia, and accompanied with opigantic pairs, they are generally infective of a very sensor alternation of the mission menulature of the mission what we most generally charred. Vonitings can be much less inspectify minibated to the cough; and in these cases there is no epigantic pain, the appetite is good, the digenton easy, and they occur generally stom organic alternation they are almost invariably confined to a more or loss advanced period of the affection.

But here, as in a shousand other circumstances, there are facts which defy the sugarity of the observer, and seem exceptions to the most govern! laws. One of our patients, far instance, promoted during the last mouth of life, paint in the opigastrium, names and vominings, other during the cough or in its intervals, although the gatero mount membrane was perfectly locality.

343. To conclude our senteks on the state of this measbrane in cases of platines, on the firstle two faces, one of which seems an immune of chronic guidde, with an observtion, as if cicaminal, the other an example of complete destruction of the manufacture in our spee, while the concerposaling success and substances in term were conflicted,

TWENTY-PIRST OBSERVATION

A successor, at 24, of width boule, rather delicate continuos, addicted in prantim from membrago, amendthe huperal of La Charité, July 12th, 1824. He led one inged believely good health; but more how entouty if a was not fishly to colds. He doted his present flowers year. and a halfage, but would be evolution for norths, and autiliated his indisposition to great good at the law of his carings. He was first searched by slight distribute, accompanied with almost complete anorexia. These symptoms continued wishout variation during obeyon months, with only slight epigastric paint occurionally, but without fever, munta or comitings. After this period he was somed, without evident empe. in the middle of the night, with a copious harsouppis, which returned on the 19th following days, and mented at length to yield to amongly aridulated drinks. At the same time there were cough, expectorates and dysposes, with vonitings after the cough; after this period the diaphus caused; seen after

the appetite retirmed, and during the last four months there were night perspiration; rarely preceded by rigors. He had never experienced pains in the chest. July 13th, General paleness of surface; great debility; pain in the limbs; variable state of thirs; tongue, materal; no tendences in the epigastrion; thely stools, of natural framess. Pulse, small and meak, slightly accelerated; beat, moderate, with evening exacerbation; night sociats. Respiration, lead and almost careeron rosed the material of the left lang, natural and free from ride every where also; speaks immedly; slight dyspann; spots, greenish, in small inegular manes, and sensy. Considerable engestion.

(Decetion of liches) gum potion; julep; one fourth of house allowance).

Up to the 8th of August there was neither masses nor vomiting; the appetite improved and the dipenion was sury; the skin was always rather hot in the evening with occasional perspirations during the night; diminution of dyspeces, but goest debility.

The patient having quoted the hospital at this period, on the following day there were great horsess of cough, renewal of the vocating and loss of appetite. This compelled him to re-enter, and from the 10th of August to the 2d of November, the following is the result of our observations:— Centation of vonitings and no subsequent recurrence; the appetite continued depressed during same days, but soon after was as good as as the report of August 8th; after the invasion of diamburs on the 2d of October it diminished, and continued incomiderable to the last. There was no opigastric suffering, and the looseness, which was at first violent, with great prostration and rapid pulse, quickly diminished. The torque was almost always a Eule red, and rather livid; the best of surface inaremed in the evening and during the night | very rarely them even perspirations and rigons.

Sept. 224. Permission under the left claricia, very drill; this gradually extended, and in the middle of Outdoor there was every where has of sound unteriorly on the same ride. The respiration under both clarician was tracked, and was seen followed by purplup.

There is a modes correspond the prostration on the let of Namember, and on the M, at first 2: m., the patient expired.

Daring a few days not more than prostrobul, and afterwards the infimum of violets. During the but month he unty took a Bule soap and some rice comm.

Opening of the surpre feety haves after death.

Everagen. - Externa amounties. Nothing the remark-

Hran: — Sight unb-arathreldum infiltration: a specific of fluid in each bottom ventricle, either less at the base of the skull; brain, soft and injected.

New. — Epiglotti, ratural. Larynx, pale, with two superficial electricis, one at the union of the occal cords and the other on the left inferior one. Tracked income number ord, with numerous ubstrations of a line in diameter, without my thickening of the numberon either tround them, or in their intervals. Some similar ubstrations in the left loreschia.

The upper lobe of the left long presented two large excavations, I ned by a grey 6h, semi-cartingeness, semewhat opaque membrane, filled with a greenish matter, analogous to what existed in the brombin; the remainder of the lobe was converted into a greyith, conf-tramputent substancy, commissing numerous half-filled small expectations, many of which were only separated from the plants by an extremely that layer. In the summer of the lower toba there was a small quantity of grey, semi-transparent matter, interspersed with tubercles. In the right long the lesions seem of a similar description, but less extensive. Heart, healthy | minutess semi-cartitagnoss spots in the interior of the sound.

Annuages - Securely, of molerate volume, rather our tracted at the centre. Its amount membrane of a tamey color in the call-dr-me, more or law grayith elsewhere) this last tisk teat interrupted by some whitish-colored upots, from one to two lines in districtor, where the membrane was exidently thinned. One of these, of a very light grey, swil, seven lines long and tive wide, amount posteriorly near the small curvature, and half way between the rardia and pylarus. The mucous membrane seemed intensibly to terminate at its tireumferoure, after having gradually decreased in thickness over an inch and a half of surface. This termination was the more indistinct on account of the cole of the muceus menhemo being similar to that of the spot or have docated, which was itself framed by the solutions layer; so that after having removed at the motion membrane the stough was white with the exception of this spot. The latter was also circumscribed by a thin thatenant ring, about one one in brealth, famed by the firm affirmion of the minimuous layer to the subjectent more than their. The consistence of the mucous membrase, whom thinned, was rather downshed. The muscular cont presented no alteration. The iming membeare of the small intention was of normal consistence and thickness, and offered numerous narrow, wassverse ofcerations in the three upper fourths, and in the lower portion pretty sumerous vellowish granulations, of a tuberculous appearance,

Of the size of a peace matter, and absented at their straint, There over encourage observation in the targe attention, from one to two melon is notice; conder in the region than the observation. The greater constar was cough, from the promonence of the decodes black of the mornials cant, which were a half a few thick; among them the mornial ment, which were not not disclaimly for other parts the but we healthy. The meaning plants, then the care of a per, were substituted and fews; there is discovered and fews; there is discovered and the many resonant with eight, compy twin the usual volume, with two fewers, one same in, the other at its immunitarity, and two usual privot, which turnshated after a cover finance in a range mean.

1818. The hours' appears experienced by the patient electric member before the processor of rough, when, we far so we canjudge, to inhormous exertion of the long remitted, is no doubt to be greated to a change inflammation of the marrow membrain of the domath, of which the domained common are and partial demonstration over the consequence. In properly when a contain parties of this members is demoyed, the adjusted outs. are named, or at heat offer orbital increase are distinuish of thickness; the inting attenuous layer progress and support rotor, but is perportedly a little markward or generally destroyed, your layer devely seen or the their could be described in also does not linear my alexand hazalary, mond the narray. municipate. The sai the difference is somether characters. and those of the obscaline jost described power, when conmarried with the history of the error torne, that there had been a Very elimie pounds, with elements of the measur sumhave which had undergone a purial vicamismics? It may parliage by argued, that ware this the care, the moreous warebrane would have reached beyond the industred and circumscribed boundary; we can only say that, in the few examples we possess of distance electrication in the small investing, the miscous membrane never extended beyond the electricities of the observation.

TWENTY-SECOND OBSERVATION.

345. A woman, on 49, a gold wire drawer, of a weak constitution, seldom liable to colds, entered the hospital of La Charité, July 13th, 1824. She had been ill a your, and had cented her business live weeks. At the commencement, general unraniness, some of debility, partial loss of appetite, and emeciation. In the fifth month, cough, expectoration and dyspaces (which afterwards trare continued) were conjoined with the previous symptoms; shoing the last menth complete loss of appetite and dismines. In the fourth month paint and picking attentions in the right side of the chest, which have been more or less argent ever assee. No tamoptyre, night perspirations, or opigatoric print, and the sun very rarely smaller of regen.

July 14th. Considerable defaity; extreme emacintion; some orderna of the lower part of the logs. Tongue, a little ped at the point; mouth, clammy, and with occasional hatter tests; thirst, variable; very little appetite; marked resistance to the hand in the epigratric region and below the right false ribs, for a space of three imber; no pain in the corresponding parts; epigratric pulsation the last few days; one liquid stood and slight tension in the hypogentic region. Cough, frequent in the morning, with some grounds and opaque

sputs; on the right side and americally there was deliver on percussion; almost the same was observed in the consequenting point posteriorly. Respiration, tracked under the right clavicle with garging and pectorilogay over a considerable extent; the derubiton on the right side perceived cough and increased the dyspaces. Pulse, rather fell and quick.

(Rice nater with quarte symp.) gain potent three rien creams).

The moreum continued, the districts incremed, became copour, and then entirely exceed after the beganing of Asspot. There were actifier named, conting, our epigatric parts. The hypogeneous was the east of a very trouble-tone accounted of an egg and a real spready of head; which senetimes exceeded of an egg and a real spready of head; there was alight typopours. The mode become very fea-quest and offender the last but days, and at nine, 4, 8, af the 17th of August, the primar expired.

During the thing-three days an which we observed this patient, the state of the tanguar was very variable; as rolor, through manely assured, was at them state or less and without any accompanying change as the functions of the state of and intestines. The beat of the skin was elevated is the evening; there were no perspirations, and the results of the examination of the chost seem nearly the same as at the first. Disconstitute, with a grain of opinio, was prescribed when the disrebien was organs.

Opening of the corpus manny-three hours after death.

Extensor. - Extreme emaciation.

HEAD. - A small spoonful of fluid on the upper seriou of

the seacheaid; some slight supplysems between this membrace and the pix mater, without infiltration. A spoonful of fluid is each lateral ventriele; the lower half of the brain was less from than the upper. The tuber annuluse and the spiral marrow were still more softened. These spoonsful of slightly frothy fluid in the lower parties of the vertebral canal.

NECK. - Epiglottis, laryex and traches, healthy.

THORAX. - Left burg, without adhesions; its upper lobe was much redulated with many guardanees, ende, or softened tubercles, placed very superficially; these were tumemors internally also; very few existed in the lower lobe. The right long was universally adherent to the contal yleura, by means of a semi-entillerinous false mandrane. At the summit of the upper lobe there was a wast anfractions exenvation, fixed by a very desire, greyids false membrane, half a fine thick, including a greenish substance strenked with blood, and intersected by some short interrupted bands. In the remainder of its extent the upper toho was infamted and transformed superiorly into a dark, homogeneous, greyish, hard and slightly elastic substance, more or less some-transparent inferiorly; it was ensued by irregular some cartileganous bands, and contained either millened subsectes or small excusations. The broachia were thickened, more diluted and redder is the right upper lobe than in the left. The heart was small but healthy; there were numerous yellowish patches throughout the whole norts.

Announce. — The peritoneal cavity contained a quart and a half of reddish third. The layer descended four inches below the cits, extending as far as the dist count; its structure was firm and brittle. The gall-bladder contained a very dark-colored viscous fluid. The startach was small and classly afferent by part of its posteries surface to the pastress, the tissue of

which was much infunted; the amoous membrane presented a greyish pink tinge; it was every where mostlisted and rather thickened, with diminished commence in the large curvature, and covered with a espicial and viscous mucus. Near the small curvature, between the cardiac and pylotic ordeer, and in the portion adhrening to the poncrets, there was a slight degree our, about the size of a dollar, round which the mucous membrane was a little corrugated. In the depossed portion it was very thin and beinly, but not mamillated; the corresponding rellular layer was bealthe; the muscular membrane was destroyed and replaced by a white, semicarrilagnous frome, about a spareer of a five thick, in which the fleshy filters temounied. These uses more alone half a Ine thick at the point of junction, for a space of loar lines, but were not otherwise medified; the submitted layer maxindusted and thickened to the same extent. The small insession commined a groyish, this, meaning submaner, with a faint ofce; in links; mentione was a link oftened, presenting throughout, managers small adorptions, many of which were in the centre of the glandider patches. Similar ofcurations existed through the whole of the large innertine as far as the arms; they were limit by the alightly thickened rulemoreus tissue. In their intervals the magabrane was as inflas mores, and trace its innal thickness; it was every where is contact with a greyish and mid-ish liquid. The meaenteric and mesocolic glands, rather voluntous, but Bealthy, Spleun, small, of a texture as from us that of the layer. Unnary apparatus, natural.

346. The state of the gastric materia membrane, which was grey and manifested throughout its whole extent, thinned in one point, while it was somewhat thickened showhere, and the decreme of appente long anterior to the invasion of phthinis, render this observation very analogous to the preceding, and peace the existence of a cheesic gastritis long before the appearance of phthisis, and for some time without complication. In this respect the fact is one of grout interest, as it shows what as yet we have only ventured to interest, that the numillated state of the insecus mentrane of the stomach is the pends of a chronic affection, characterized by very obscure symposius. Historia un bave nover chierred this confition indated from more or list minimous complications, and since in these cases the gartric symptoms closely resombled those we observe others the monach in healthy (339, 340), it was impossible to know to what they might be referred. The observation before as proyes, more evidently, that the symptoms are exceedingly obscure, and doubtless confined in the majority of instances to a greater or less distinution of appetits with difficult digestion. We do not say this is always the case, for we have last examples in which this condition of the membrane was combined with reduce, and in these cases there were occasional musea and epigamic pains (90, 326).

The partial transformation of the nancular cont into a semientillaginous substance is equally worthy of our attention. Without conjecturing when this might have taken place, or the exact cause which produced it, we shall only remark that we have lately met with a very analogous fact; but bettead of the semi-cardiaginous transformation, the nanocular toric was here converted into a fibrous times about half a line thick. The corresponding delialar layer was more or less thickened.

ABTICLE V.

WAYS OF YES FOREST.

247. It is proper, after having stacked the symptoms which comseport in the different condition of the gentre moreon numbers, to increasing whether there is not some dependance between their conditions and the main of the ranger. The following is the result of our improves— Out of nocesses easies with influency and disminished the house of the moreon numbers of the insurant, in nime the tempor, which was always most, never presented at any period of the affection district referent, and not of two others at was not at the point and edges is four, during lifering or to entry days; while in the remaining sea their man the case for a very limited period, only two or three days.

1948. In eight examples, where the inflammation our confixed to the naturior part of the gentile monoton membrane, in half the tamper was red, in the test it may pale. In one the reducat was very terminory.

319. When the inflammation occupied the rotality, or a position of the great cul-de-sac of the stornach (in which case, as we have restricted, it probably dated but a few days before shorth), the tongue was natural in ten instances; while in seven others at was more or less red on the edges, either very shortly before the fatal termination, or during a few days only, at some entire period.

350. In patients where the miscous membrane was oridently manifated; the tongue was more or less red during a variable space of time in eight out of nisatoon; in the remainder it was natural. In six out of fourtoen other examples, where the gastric mucous membrane presented a variety of morbid alterations, the tougue was redder than natural for one or more weeks.

-351. Limity, where the miscous membrane was healthy, both in to color, consistence and thickness, the torque was more or loss red in ton out of nineteen; and in use of these the redram peristed during the othele course of the disease, and was more intense than in any of the preceding instances; the torque also at one period became day, as we occasionally see it is continued fover. The observation is sufficiently interesting to be detailed.

TWENTY-THIRD OBSERVATION.

A WHITE, WRIGHT, et. 25, of a tolerably strong constitution, had been ill three weeks when he was admitted into the hospital of Lu Climini; he said that seven months previously he had been attacked with continued fever, which lasted five works, but had not been accompanied with distribute; his convalencence was rapid and complete; his digestion had been easy and regular, and his appears excellent up to the period of his prevent illness. During the first eight days of this last affection he had complained of meaniness, loss of appearse, thirst, slight cough and inaptitude for exention; this was followed by increased heat without rigors, night pempirations, intense thirst, complete assensia, incremed cough, pains under the stemum, throbbing in the same on mustage the vertical position, and confinement to his bad. Leoches were applied to the originations (where no pain had been expersenced), without the niightest rolled to any of the symp-

On the 3d of August, 1924, the day after his admission, his state was the following:—Fare, rather azimuted; he complains much of weakness; tongot, day, shiring, of a bright red on the edges, yelloweds, most and vibrate is the middle; argent thirse, assurexia, bitter tasse in the much, no pain in the epigatisms; the whale of addreses is immediate to strong pressure; consequence. Pulse, oversity-fire, active, full; heat, elevated; breathing, not accelerated; no ride in any part of the elect; the cough curves pain under the storaum; expensioned, county, spention; position in heat, natural; slight general oursiness.

(Lenouade; an conflicut coma, and diet).

On the following stays the turque was moist, clean, and intentily red; there were one or two Equid stock in the turnity-four hours; the assertion continued, and the lamonade appearing to produce users unranions in the opigantism, it was charged for a solution of simple expect; pulse, slower than at first. I felt, No change in the state of the soughe or digestive take; the rolation of expect was not supported better than the lementals; the patient venited a into late. His only complaint one of the chest, at the posterior part of which on the right side, there was a slight successor part of which

(Solution of gum syrup).

Until the Sch of September, when death took place, the thirst was more as less argent, amoreia constant, no pain in the opigustium; some bile was remitted on the 22d, 29th, and 30th of August. The tongue presented some variations. On the 16th it was of a steep red color and rather day; on the 28th it offered the same aspect with the addition of some small whee apthem patches mond the edges; it was unun-

ally red to the Lit of September, perfectly clean and murting. This reduces daily increased, and on the 5th was assogiated with dryners and sugmented thickness, which continued to the low. The stools became care; during the last eight days there were some marrives and tympanits. August 16th. Inversed oppressor. 21st. The pain in the chest, cough, and dyspones continued stationary; this respiratory manmer was mentor enteriorly on the left side than on the right; experinmism, scanty, rather greensh and opaque; this continned to the list. The pulse, which was almost natural on the 23d of August, iros nighty-five on the 28th; there was proportionate increme of temperature, which afterwards continued. From the 28th of August, rapid incomes of neakness and emicianon, and soon the patient was unable to leave his bed. He expired with very little gain and no debrium, and almost without any rattling respiration, at four, P. N.

The solution of gurn syrup was communed with emolitent outron. On the 16th of August and 3d of September, beeches were applied to the mus without my advantage.

Quality of the corpus rixteen hours after death.

Expension. - Expense emeriation.

Hans. — Slight sub-anselmoidem infiltration; surdellary substance of the train, rather vascular; a spoonful of serom fluid in such interal scutricle, and also at the base of the shull.

NECK. - Epiglottis, laryux and machea, moural.

CHEET. — Cellular activeious over the greater part of the lungs. The upper lobes commined immersion softened tahercles, especially those of the right, and materiorly rather than posteriorly; is other parts they were not softened. The substance of the long surrounding them seemed every where healthy, and there were so grey, seni-transported granulations. Besechia, then, and of a pule pink solor; heart and norm, natural.

ASDONES. - Stometh, smill, with automate valvalar libb. internally. Links membrane valventile, pile, not is the from injected, and every where of sugnal thickness and renintener. The same palmers and healthy state of the mount menhana existed throughout the whole of the small intertion, with the exception of a small, very pub ofcernion, onehar is dissorter, and shout thelve inches from the executs. The long acodesine of the large satestine was aclose, of natural thickness and ensurement, except in the last two feet, Where it Was of a fixed red, softened, and had purposes small alerrations, at the centre of which there were small coupulaof very dark robused blood. The one-strep consorted of anirregular flamound mans, of about an inch thick and or least tharty inclus in expericise, framed by the man of completely tubercalated monomore glowly our referred, and about as large as a chornor. Many of the lambar charle had partially milergons the same semiformizer. The proverse was binder and whiter than amoral; the other yours of the philonen were keeleby.

352. The atomics of apparatic pain in this case in which the progress of the ayarptoon had been tolerably rapid, and the intellectual forables had remained anothered, and a which only a slight remaining of bile occurred, made to retroposh the idea of graticity, and furting movely some suspicious in regard to the state of the large, we were made to dome my rigorous conclusion as to the matter of the disease; but the gradual emaciation; the reduces and abyares of the arrays.

the continuation and increase of the same symptoms made us believe that the disease was, and would shortly prove to be, foral in its name. As in many other instances, the condition of the reague was could for our prognosis, and we think that its value as a symptom is almost wholly confined to this indication. At least, after the facts we have related, it must appear evident that there is no real relation between the state of the tongue and that of the storage ; for if it is sometimes red in gastritis, it is stall more frequently pale; and, on the other hand, it is sometimes dry, hard, and intensely red, when the gastric assecost membrane is healthy.

There faces, indeed, ought not to excite surpise, or they simply prove that the torque is no exception to the general laws of the system, which would be the case, fid it either constantly or solely indicate the condition of the gastric mocous membrane. In fact, whenever there is fabelle movement, the whole system more or less participates; the appetite ceases; the skin becomes hot, moist, and frequently colored; the securious are modified; the urins is red, scalding, &c. Why should the torque remain unoffected by these changes? Why should it not become more or less red, dry, moist, clean, or coated?*

[&]quot;Perloys there were eas an opinion in modeline more gravally alopsed that that the state of the torque was inflicative of the of the atmosts; and yet when brought to the near of accounts atmospherical. The results alone deserted, and the inscrupincy of experimental monetariot. The results of our suffice are not provide to binned, though perhaps the enterior he address in at yet the past incontentable. Dr. Stokes, in the second formed duting the results of \$252-3, says, " the congue is only useful as in index of the general store of the system, and not of the atomics." Dr. Piorry, in an interesting mounts on this subject, (Valor Collection at Alexanders or in Physiologie at to Diagnostic, per M. Pierry, Pres, 1831), sandades, ... First, That the reduces of the impure depends on the returns

From the first examination, the anerexis was complete; and this becomes more remarkable, from the fact that me only was the passic links numbered bealthy, but there was marcely my filesis excitoment present; this proves that ices of appetite may raise without fover, or any sensible alteration of the marcon paralleles of the superacle.

354. With the exception of a very mail ulceration, the museus arratement of the land interacte was beauty, while the whole of the messeary was mandomed into inhoration matter. Are no not competed to solve that the transformation was quite independent of information of the interinal museum attraction, as we have already there (151)?

354. In more softeness the tongue was the sent of an affairment conduction, which deserves more attention than more reduces. The excelsion was developed towards the class of the disease, four, eight, ten, and even staty days to fore death (it sometimes presented the form of pateton from two in three

and registry of our construction and any. Then the construction of the terlemental and other of a color of a construction. The other, That the inside the
presence of the record is a war at the construction of the depend
on the colors; record is a war at the construction of the depend
on the colors; record is a war at the construction of the depend
on the principal construction of the colors and the colors of the dependence of the colors of the dependency on the colors of the dependency of the colors of the dependency of the colors of the dependency of the colors of the colors of the dependency of the colors of

We refer the resent to M. Linne's write in the Affection Type and it pages 64, Perry Type and pages 64/1 for additional extrinsion in magest. The archive common example on the wide flow he has all young to the pages of the pag

times in surface, which occasionally by their union completely covered the tongue; an others, it assumed the form of small points like stateb, more or less thickly scattered, and in their intervals the substance of the long was denuted. The exadation was easily resoured, was about a quarter of a line thick, and generally re-appeared several times before death. In the majority of insuraces it was simultaneously persent on the tongue, lips, checks, guins, and occasionally on the palate. Almost invariably there were picking semations in the tongue, heat and reduces; the moreous numbrane was, however, in some cases, very pule immediately beneath the expediction.

355. The redness, heat, prickings with the albuminous nature of the societion," distinctly show an inflammation of the moreous membrane of the torque. We have, however, just remarked, that it was occasionally gale beneath the patches and in their intervals, and this is difficult to be recouciled with inflammation in an organ so variable as the magne. Is it a fact that the albertances false membranes are not always. dependant on inflammatory action, and that they may be mgarded unfor certain elecumerances, as resulting from an alteration in secretion not produced by inflammation? This question it is very difficult satisfactorily to answer, but after the fact we have stated, the inquiry is natural. The investigation of causes seldom leads us to any useful result, and as the matonical characters of inflammation are frequently obscure, it is, we think, right to note acrupalously every thing that may relate to it.

356. It is, however, quite impossible to doubt, that the ex-

^{*} See the Ausgard Dimeristion of M. Blacks, Paris, 1821. -

udation in question in, in the immore emjority of cases, the product of inflammation, and it thus forms to additional fact to what we have said on the frequency of inflammation towards the close of chronic damses.*

357. The state of the tengos we have been describing it and connected with the condition of the garcic motion membrane my more than comple reducer is. We have observed it in one eighth of our cases; thus those when there were softening and diminished thickness of the being membrane of the commelt; four times when the inflammation was limited to its amorite surface; three times when it was perfectly healthy; and twice among the remainder.)

^{*} See Not Summer of the light plot of the work Latter.

I M. Lewe has bound this expellation equally despect benefit the above of south or Well at all observe discusses. It has proverily been classed storing the field symptoms, but M. Lewis has some if almost as often in passes which received in earlier the opposite received and proved in earlier the opposite received and provides to exceed an expectation.

— Committee.

CHAPTER VI.

PUNCTIONS OF THE GENERAL ORGANS.

ARTICLE D.

SEXTRATIVE PUNCTIONS IN RES.

358. We have frequently interrogated plubinical patients in regard to their desire for persual intercourse, and in every instance this desire has appeared to have declined with the increase of general weakness and other symptoms, almost exactly as is the cone with individuals laboring under any other affection. It is, however, possible that at the very commencement of the tuberculous affection, when there is little diminution of strength, though sufficient to prevent the patients contiming their must occupations, that there should be a more evident inclination to sexual pleasures than when in perfect bealth; but this is easily accounted for by the effect of offeness upon the mind, which is then much most unfor the influence of every impression. It would indeed be very tingular, when all other functions are deteriorated, that the gencentive should assume unworted activity; this is an additional resear for us not to admit so commonly received an opinion, without underiable proof."

^{*}M. Louis has since continued his investigations on the state of the general negative in phthinis, and has in no instance discovered may evidence of their learnessed accepts. Vide Example, page 45. — Cowale.

ARTICLE 11.

SEASON FOR PERSONS AS ASSESSED.

acts. The extraction were short invariably suppressed recovers bear to plateon. Then only they continued used death, but now increduc, scany, and dense; the last three menths recovered every too days. The parent our ill connection and a half, and desing the whole time did not expectionally after death we found remove according in the lengt; the atoms was small and leadily. In other instances the normal, presents to their total suppression, were more or less irregular, either in quantity, or to their periods of more reases; and, with the nacoption of distributed volume, the atoms was always probable tradity. The fact is upin in farse of what we have now than more leasand as (250, 340), that furnitual decomposition does not reasonably suppose my appreciable sugmic alternation."

I he the mouse function are mostly deposite tower or the grant man of the species than of the species than or the second second, discourse grant in a fine of the particle man be required to an incident of a comparable of the species of the second second

360. When the duration of platinia was less than one year, the average period of the catassessial suppression was about the middle of its progress. When the affection was prolonged from one to three years, the suppression occurred during the last third. But, to have a just idea of the value of this symptom, it is necessary to state the limits of its variations. Thus, is a young woman in whom the disease lasted three years, the catassesia coased at the end of the thirteenth mouth; while another individual of the same age, and in whom the duration of the disease was rimitar, continued to menutrate to within two mouths of the faral termination.

When the progress of plathis was clarence, we could not desect any cause on which the entangenial suppression depended; but when the damnous of plathis was less than twelve mouths, in the majority of instances the suppression coincided with the invasion of fever; that is, corresponded to the period when the influence of the principal affection upon the functions of the various organs became more evident and real.

piec, amiguided more of the selicit, or increased fluidity in the blood. Neither of these examples is, we think, of reach weight in force of the opinion they are intended to repperl, and ought not to invalidate the generally received opinion, that long continued fluiditional development implies repose change. Let it be recollected that probagged functional development implies repose change to a simple measure or observed of what is materal, but is invariably attended by a change in quality as well as quantity. The latter is accountily dependent on adventuous tirrumstances, and is obtain no automate of the state of the origin limit. The former may occasionally be an last is mark more frequently to be trained to originic alternation. The relation between the supportunist is wegan and in urganic extremes, would be an interesting and difficult outpert of impacts. There can be no doubt that important changes in the former may take place tribes no segment femore can be detected. — Caman.

361. The mentionalist having in some intention personed, with little resistion, till within a month hadon death, on can easily understand flow propulary can take place, and go through its usual persons or the course of posture; of this we have absenced too examples.

The most considered interes in that of a mostor who deed when in the last obey of emersions, after beyong treating days previously, given both to a reduct child. Her bous presented commensus accurations

362. We have not been able to should whether preparates is capitle of relimination of produce a given and and malent that assumes here are required, and second years of observations in a lying-in hospital, before me was have any position information on the subject. We may, however, oldsorve that perhaps there have been more orner and conductor. among those wise have historic admitted such as influence, It is indeed possible, that more of the symptoms of pinking, may be but proximent during preparately, while the progress of the disease is really outliested. On the other head, it is not improvide that after labor the program of phillion may be more rapidation at any precious period, and the difference before and alice conferences, way, - a contain extent, have given sho to the impression. Is it protected, Lowerer, that pregnancy, need a come of disposia, should pracrations the duration of philinns, in which dyspoora is always a some or len treablement symptom obstorier the pattern not any exertion?

CHAPTER VII

CEREBBAL SYMPTOMS.

363. Is nearly every case the intellectual faculties were undisturbed until death took place. In the instances where we have found partial and polps softening of the latin, with traces of inflammation of the lining membrane of the lateral rentricles or the subjectut tissue, the excelent symptoms shortly before death were very roundcable. They were absent in three out of six cases, in which there was pulpy softening; we have observed them in one case of arachaits, which we shall now detail.

TWENTY-POURTH OBSERVATION.

A rongen, et. d4, was admitted into La Charité, May 6th, 1824. He had been a prisoner in England for fifteen years, four of which were spent in the hulks; he had coughed and expectanted the last twenty years; he was attacked with hamoptysis for the first time in January of the present year, but he had been liable to apprecion in his breatling for six years, with universal swelling of the whole body during winter, which lasted about six weeks. The appetite had not failed till writer the last month, when he began to make use of Lerroy's truncily, (madicine de Lerroy), of which he took two spacenfals day. Having used this fifteen days it produced a violent

diarrhous, which he was unable to restrain, and the its relief he entered the lempital.

Face, with a slight yellow tings; no headsohe; cough, rare; very little oppenoion; expectoration, rather copious, gromish, not stricted, slightly frothy; no pair in the chest, nor had he over experienced any: purcunion, every whose clear, except under this right clavicle and for some illatance from above downwards a tracheal respiration in the same region and posteriody histories the chealties (participacy at the right only). a very coarse vide, simulating from the summer to the have, was war heard in both huge; considerable homeomen, with alterntion of the voice the last two mouths | no pain in the larynt | pulse, sixty-loss; heat, mount; longue, mont, rather red on the edges; month, classes; an appetite; you at the epigastrum immediately below the ayphord cardlage, both from pressure and cough; the remainder of the philomen, subling, and not painful; two liquid stools the previous ESCHIEZ.

On the next day considerable diarrhem; from eight to ten soods; the protest speed most of his time next the more. On the 23d, almost constant discussioner; intelligence did not seem much confused, but parient said he had deal his square; no complaint of pain.

In the night of the 22d, some involuntary mode; the patient did not reply to question, but tried to get up, mying he was going home, and in the attempt he fell upon the floor. At seven in the morning the expression was suppl, eyes fixed, pupils contracted; almost resistant spannodic movements of the masseter muscles, and of these of the right arm; stiffness of the left arm and log, with expression of pain whenever the slightest attempt was made to move them; the patient was not quite unopositions, since he attempted to protraide the singual when saked to do so ; pelos, one hundred and fourteen; no change in the respiration.

(Sizapisms).

At eight, a. u., he made an effort to speak, and entered a few minutligible words; the arms and neck some stiff, senisting my auturpt to move them. The same symptoms continued during the day; the breathing became runling is the night, and on the next day (44th), at eleven, a. s., be expired.

Opening of the curpus turnly-two lawrs after death,

EXTERIOR. - Nothing remarkable.

Hexo. — Lacorations of the dura mater, giving passage to some granulations springing from the arachacid, covering the brain, which was opinged and thickened in the corresponding points. Two this body layers, one lines large, were embedded in the dura mater lying over the left lemisphere, over the fals. Great distortion of the correlated veint, with sub-arachacideau infiltration. Brain itself, puls, not injected, of accural consistence. The right lateral contacted contained about two specifical and a half of turbel third, the left rather less; the plexus choseides were rather openyre, and contained renicles; there were three specified of clear sensity in the lower occipied faces.

Nuca. — Laryna and epiglotia, natural; Iming mombrane of the unches, under red above the hibreation, elsewhere of normal color, thickness and consistence.

Thomas. — Some collular adhesions at the summit of the left long; two linear concent concentions in the upper lobe; slight engargement at the centre of both lobes. Dense adhesions over the upper part of the right long, by means of a false, semi-carrilagious membrane, more or less thick. The number was occupied by a rather large accuration; lower down there was a very small anisotrous cavity, where numer-

run unnecartilagionar ince terminated, of a blaich rolor, enchang a greyale-blacked matter, formed by the conditional of the recitation and grey, conformation substance; this navity was red, like the broaden that opered hor it. The terminates of the apper blue was industrial and transferred into a grey solutions, interpreted with minute subspecient macrotions. Some grandorous of the man matter existed in the lower labe, which were purtuitly experged, and presented at its superior portion a purity large excavation, family a thin numbered, substantiance a thin, not ficial. The branchia communication who the variation were more as increased at the lower labe others were thin, and of a light pick colors. The hours was pounded to the open, eather larger than usual, an assume of the incremed size of the laft contribit, the pasions of which term as from trickly arms, brainly.

Anustrue, — Stemach, of contacty discounting in Inting numbrane, of a libidit guy votor, except in the made entractant, where for short one inch and a holf, it was of a pulse pink not; thinkness and a minuteness every when minutely except a very limited portion at the great curvature, which was softened and emily tree; three was more its whole weface a layer of thick, timecians more. The minute membrane of the small intention was opinished with minuteness libed, minute prime; in other respects boothy. That of the large intention was not as minute, sole to the appetrality as little and in the large, without observations, and in contact with a mixed, gray-integrals subsence. The minuteness and other timents of the abstract word making.

264. Although in our description of the lateral remarkles, we have neglected to describe the state of the lating exembrane, yet the matter of the contents some to use sufficiently

to justify the idea that it was inflamed; the fever also and the cerebral symptoms can scarcely be referred to any other lesion. The latter were in fact those of amelinas and we ought to remark that the strakness of the patient seemed to be no obstacle to their development. It is true that a very important symptom, via., beadache, was absent I (at least the patient never complained of pain is his bend); but this might he owing to the rapid progress of the disease, which was fatal in forty-right hours; its different periods were confounded together, and deliving with slight discusions, were the first infications of in existence. We have already seen that the progress of inflamanious occurring towards the close of classic diseases, or when debility is far advanced, is rapid; and of this the present observation femishes an admitiscal peoof. It is also remarkable that the alteration of the grachgood was limited to the portion of this membrane being the lateral ventricles, which, in the opinion of those authors who have most successfully studied this discuss (Messes, Parent, and Martinet), is extremely rare."

205. As to the origin of the subseculous affection of the lungs, it was probably coincident with that of the cough; but of this we cannot be positive. What appears certain is, that the progress of the discuss was extremely also. This is proved both by the mildrens of the symptoms and the underinished strength, until the appearse began so fail.

366. The following observation is an example of parial soluting of the brain, with inflammation of a small portion of the solvanechnoidean tissue.

^{*} Andrei, in the Class. Med., rol. iv. page 60, release five passes of this description, only three of which are demantly inflammatory. Out of rightlytime cases of anatomics (rids pages 201, 202), in olderen the offering was confined to the ventrales. — Cowway.

TWENTY-PIFTH OBSERVATION ..

A surremen's man, at. 38, short, but stoody made, with black hair, and becom skin, and of a strong mustination, had been ill eight months when he entered the bupital of La Clarisi, September 1st, 1922. Usually in good health, he had not been liable to cold or more thouse the amplicated his present illness to a violent blow by has accorded on his caret shortly. before the appearance of the first symptoms. At the comencement from was rough, tree mountain region expretoration and alternation of heat and rold; those symptoms comment, has after two months the rights almost pound a hahad only personal the has filtern days. The cough was genently volent, and the voice had have affected after the second mouth. At this period also he was attracked with a pretty copious hemoptysis; this was afterwards removed, but small in quantity, and at discost intervals. The separate gradually diminished, and for the last three days the stoots had been hquid, which he attributed to having exten a large quantity of grapes. His strength frited, and for three smanls be lead ersond his small occupations, though he had sever been unfined to his bad. September 28. No headache; mugh, not frequent; spars, greenish, sparper, ment of them florring in a clear third; voce, rough; procusion of the about, clear on both odes) a conjunting ride with absents respiration under the right classicle, without poetrologyy. Pidite, calm; heat, natural; angue, clean; little appenin; deplatition, easy; stools, lightly not numerous. No pair either in the throat, laryres or abdomen(Rice water; pum potion; a quarter of the house allowture).

But little charge occurred on the following days. 28th. Still no heather print in the limbs i percussion under eight clavicle dull, with very obscure respiration, and more copious-eropiration than before. Comiderable personance of the voice in the corresponding point posteriorly; the associate and looseness had increased; there was a bud unto in the mouth, and pain in the epigastriam; this pain had become days, and on the previous evening the patient had tennied a little bile. He complained of a twisting sensation in the hypogastriam, and the abdomen was tymparitie.

(Rice unter reconseed with quiece syrup; dissecretion; gam petion; fire cope of weap).

From this memors the debility rapidly increased, and the parient no longer left his bod; he often complained to his comparisons of constant headache, and frequently supported his head with his hands. In the night of the 9th of October, there were alternations of stupor and debition; presistance of the same symptoms the next day and following night-

On the 11th, at the hour of visit, he did not answer, or replied very indictionity to question; his eyes were availty fixed, and at moments three was a smile on his lips; the respiration was slightly accelerated; pulse, calm, at soxty-six. The delicium continued, and the increased agitation compelled the use of a straight reassonat.

The next day, his expression was nearly mound; intelligence bud returned, and he went alone, wishout falling or standling, to the night-stool. During the night, constant delirium but no agention. 13th. The same state; heat, elevated, pube, frequent. The patient did not speak. 14th. He again must to go to the night-stool, but at the visit he appeared quite ealmantal, though in amount to questions he said he was quite wall. During the day he showed by signs that he understood what was said to him hat was mable to speak. Each, Expression suther annuated; eyes, half closed; tay with the knees showed; made as subsection that he did not suffer pain. 16th. Retained the proceeding overland; he removed perfectly conscious, followed our movements with his eyes, and in time, a. m., expired.

Opening of the corpus investy-town hours nives about.

Expenses. - Estrony emscrition.

Hear. — Dara numer as if Incremed, giving parage to the sentimolders granulations; marked financies of the superior reiss on the right side; very links on the left. Three spoon-ful of serom is the left laural contribe, much less in the right; repress lections referred, pulpy, of much color. Smilar mass of the possessy cross of the funce; corpus calbours less consistent than the other portions of the brain, but it was by no means as not as the repress. The reas of the encophalon our firmer than usual, and very slightly injected. Between the arachiesid and pix masse, attention to and at the sides of the optic moves, there was a layer of concrete pass, about three liam tales and an inch with.

Nerv. — A superficial information on the inferior nurface of the application in your, material, two tenture lower down, and on the fleshy potton of the teachers, there was an adversarion about the time of a half dellar, with thickening of the corresponding authorations times [in other respects the miscons memhence was builtly.

Tuonax. - Weak cellular adhesions over the summit of the left long, which presented a moderate quantity of tabercles, and of grey, semi-transparent granulations, dominibing in size and number from above slowmwards; its lower lobe was firm, granulated, of a variable red color, and every where heparized. The eight long adhered to the contil pleura throughout, and very firmly at its apex; it offered in its upper lobe a
rust toberculous excavation communicating with the bronchia
and with other smaller cavities; all of them contained a great
quantity of susions trainer; they were fixed by two false membranes, one of which was sell and yellowish, the other very firm,
greyish, term-cantileyisous, lying either on the healthy long,
the groy, semi-transparent matter or tobercles. In the retunindex of the same lobe there were numerous seltened tubercles, or some more or less excavated; its lower lobe was of a
deep red relar and carnified. Heart and asma, moural.

Announce. — Storagh, rather contracted; its lining nambrane govered with a good shad of mucus; it was pale, with a practated injection in the great cabde-one; its consistence and thickness were rather less than natural. There were a few small identations, and four submucus absence, about the size of a pea, in the lower so feet of the small intentine; in other respects the nurcous membrane was healthy. That of the comm and colon was much solvested, with tome small alcerations in the right colon. Messenceric glands, increased in relume with no other abstration. The remaining viscera were healthy.

367. The softened state of the septim luridom and forms, with the information of the sub-arachaoidem more between the optio nerves, renders the analysis of the seredral symptems difficult and accountily throng doubt upon any classification we may make. We may, however, remark, that there were neither paints, rigidity, nor paralysis of the limbs, and, con-

sequently, but very incomplete indications of softening. The headache and agintion may be equally referred to the one alteration as to the other, nother it is impossible to decide whether they stem owing to these two species of become, or to one of them only. The general characters of the symptom, howover, were rather those of meningitis than those of partial softening of the brain.

Without unitaring further on this subject, which is not important for not immediate purpose, let us admire that there was importantion of the left lung, and that its information, as is no frequently the case when complicated only a constrail affection, gave one to no symptom; that the absentions of the tracket and epigloids were also bount; and what is still less frequently the case, that there had been because so with alteration of the voice for more than six months, while the state of the largest was leading.

368. We shall conclude this chapter with a repol numerary of an observation already published,* which is an example of partial softening of the brain numerous and by any other alternation.

TWENTY SINTH OBSERVATION.

A WATCHMAKER, et. 19, of delicate health and very newous temperament, entered the hospital of La Chinic, October 29th, 1823. He had coughed and expectorated the

Attenue per le Resoltiment une distancement de la Mentonie Mequese de l'Estante. A Se Menotres per donnée malaine, page 28.
 Lorie.

last four months, was extremely emaciated, and postented all the symptoms of pinhisis; he complained of a dall headache, with pains in the limbs and loins, vigitims, and extreme debility. His intellect, naturally good, was unoffected, and his expression was without any peculiarity save the enaciation.

Nothing remarkable occurred on the tree following days; but on the 2d of November these was a great general prostration of strength; he did not reply to questions, although he indicuted by signs that he comprehented them. He could not support himself in the upright posture. The same night there were delicium and consunt talking. 3d. At too, a. s., his eyes were fixed; expression, dail; limbs, on both sides very feeble, almost incapable of may movement; he understood when speken to, but replied with the greatest difficulty and unwillingness, so that it was only after repeated questions that he said that he had a pun in his head. During the day the state of the stuper was complete, without convalsive morements. On the next day, 4th, spannedic contractions of the finds, principally those of the right side; pupils, dilated, represently that of the left eye ; hearly turned to the left; total has of consciousness with an expression of vacancy. The pube, which was emery-four in the avening, was now one headred and fourteen, frequent morning during requiration. These symptoms commed until the avening, when he expired at eight o'clock.

Opening of the corpus thirty-six hours ofter death.

Hicas. - Lacerations of the data mater traversed by granulations attached to the aracheoid, which was thickened and opaque in the corresponding points. Cerebral veins, rather distended, with some injection of the pia mater; the right benisphere, from and with summous red points; the left, less injected, rather soft a septima hardom, of a polysy consistsuce: a similar state of the force, particularly of the tells piller, without any change of cone; two spacehol of server fluid in the left vacation, rather less in the right; in the fermer the lining membrane was thankened. Two spacehol of server fluid also as the referior securital town.

Thouax.—Some taberculous assessment in the summit of the left long, the enterior part of which, for the space of two inches, about wholly consists of intendes and the gray, semi-temperary matter.

Annears. — Mamin arendrane of the storact, sellened and themself over a considerable extent. Some electrics in the mail intention. Very considerable sellening of the macous membrane of the colon.

very limiter to what excited in the presenting observation; that ofference in the ventralism conteided as its quantity with the ofference in the degree of softening exciting on one oder and the other, which makes as monider it as an effect, and not a complication. Besides, the symptoms were into very distinct, vic., breaker, defining, pass, sparmodic contraction of the limite, and limity, admired papers. We were make to decide whether them was my paralysis of the extremose, but it is very probable that there was more, and that it come on animalities and the papills. The natural deficition of the patient when the affection commercial, and its absorption rapid progress with the affection commercial, and its adoption, are all very remarks while.

370. We have elevation detailed (Ohr. 15), the history of a partial enforcing of the overlead substance, preceded by the

inflammation of the auto-arachacidean tissue on the upper-portion of the beam, and which had some on thiny days before death. Although not innerse, the symptoms corresponding to both of these lations were very distinct.

371. We would remark, in terminating this distributed our subject, that we have observed partial softening of the burn quite as frequently after other chronic affectious; that we have never seen apoplexy come on at the close of discusses of long duention; that this fact makes an additional distribution between softening of the besin and apoplexy; and it prints out a fresh analogy between homogrhage of the brain and that of other organs, which so teldom seesus, in any of them, when the debility is extreme.

CHAPTER VIII.

OF THE VARIETIES WHICH PHTHISES PRESENTS IN ITS PROGRESS.

872. In the general description of phthisis, we have seen that its first symptoms are cough, expectoration, dyaptacu, and sometimes hemophysis; that speta do not always commence with the cough; that she dyaptaca is aqually irregular as to the time of its appearance; this is also true in regard to the fever and the succeeding symptoms. These nlight differences, however, in the order and duration of the morbid phenomena, do not interfere with the regular progress of the disease; they do not, if we may so express ourselves, after its physiognomy; but there are instances where its characters are so completely modified that its recognition is impensible before

its program in remiderable; it is, in fact, literat* for a longer or shreter period. At other more it assumes the form and programs of scatte discusses; on delicerate periods segan confineded together, and the disgrams in not less obscure than in the previous rate. We shall accountedly truly there two varieties of platinic addicing here to contain their exotence.

ARTICLE 1.

LARREST PRIMITION

TWENTY SEVENTH BESERVATION.

313. A research on 32, with active intelligence and good memory, of middle cannot and pretty strong mentination, was released into the longistal of La Charité, Neverther 9th, 1881. She was not liable to colds, had been ill throu years, but combinably stores the lost two mouths and a half. Her flows had commenced with ripor, followed by heat and perspiration, and until the last show mention they had been repeated daily at above one o'clock. The appears had diminished from the longitizing a the thirst had lammer organ, and there was night constation. An other symptoms were absented during the first year. All the commencement of the second she began to cough and experience opaque and committeed. She had loop for her had not weaks, and had had dight durings the interior for, below outgoing the looping.

Notember 10th, Mont and assess, perfect; extisme ena-

[&]quot;Assert approximate the classes have been made to the use of the treelation, when applied to photonic. It is a solute that more notice company to married to reason the elements of the approximate Comme.

eintion; beauting, rather secclemed; nough, not frequent; spara, camerolated, of a stry pink color, and soon losing their chape. Percussion still under the clariche, particularly under the left, and over a considerable space; trached respiration and crident pectordough in the same points; this was also the case in the corresponding parts posteriorly. Princ, small, weak, regular, frequent; hear, natural during the day, elevated at night) perspirations confined to the head and chest; toogue, natural, month, claiming | thirst, not orgent; no appetite; deglishion, difficult | she had experienced a sense of heat and dryness of the thront the last two months; abdomen, a little semide to pressure; the previous evening three mucous stools. Great debility:

(Decection of nice with quince syrup; three cups of infinion of cutochu with the same syrup; gam potion; two rice creams.)

No evident change took place on the following days, and on the 18th of the same mentls, after an agony of some hours, she expired.

Opening of the corpse forty-eight hours after death.

Extensor. - Nothing remarkable.

HEAD. — Arachnoid, thickened and rather opaque for about two inches near the longitudinal finance, with partial adhesions to the dara mater; notice slight sub-arachnoidean infiltration; two small spectraful of fluid in each lateral ventricle; that in the right was maded.

NECE. - The epigloms, larynx and traches were not examined.

THORAX. — Strong cellular adhesions over the summit of the right long; the left, perfectly free. In both longs the upper lobe was very easily broken, and presented numerous small exceptages, communicating with early other, and hard by a false membrane; their injureds consisted of grey, remieranques of gravulations, and small persons of imputined long. The lower tobus were healthy. Hum, of manual volume; sides of the left countries, rather thin, those of the right, evidently elichered; both were all towards reministrate; the auto-scar of a security large and toward resistant other alternation.

Anomaly, — Sumach, of noural volume; bring preaching, pale, without findity, and of success thickness and consistency; standarded, locality. In the lower half of the small intention these were sorret granulations of a telescolous same; many of them were slightly observated; over others, which were sea soliused, the margin membrane was healthy. That of the large intention was a little schemed near the excess, where it processed too small observation, from our terms lines in discourse, september to be processed to small observation, from our terms. The measuring and other success of the chilaries were leadedy.

274. The litting of this docum present two very detects preciple. In the first, there was falsole movement, include cough; in the second, the ferry test or improved with cough and expectations. Was planting present in the first, or did it originate only to the month? If the evaluation of more argue bands the large we might attribute to it the symptoms of the first period; but the large were hard the only-regard arrivably affected, and we must recommendary, refer the symptoms of both periods to them, more especially as the character of the fields movement was identical in both; and since the fever

was not preceded by broochitis, the present observation will allow us to draw the double conclusion, that tubercles may be developed in the large independently of broughtis, and that they may remain farest for a considerable period, that is, withour exciting either cough or expectoration.

375. Another fact also incremes the interest of this observation, we refer to the gradual dimension of appears during three years, although the gradual dimension members a presented to perceptible absention. This is a striking illustration of the fact to which the have frequently alloded, that a beside of a function may be profound during a considerable time, without the presence of any appreciable organic change; that loss of appetite is not enough to alternateries gastries; that freely, and by this we mean a quick palse, incremed heat, &c., is of itself, relateure may be its cause, capable of producing the same result.

Lastly, this observation is one of those very rare immances in which the development of subsecles is confined to the superior pulmonary lobes.

TWENTY-EIGHTH OBSERVATION.

376. A successor mender, set 44, been of parents who lived to an advanced age, of a moderately strong constitution, with a fair skin, black hair, and usually enjoying good bealth, tran admitted into the longital of La Charité, March 24th, 1824. His appetite was morer very great; his habits were very temperato, and he said that he had been ill the last nine

south. At the commencement be was mised such right, followed by best and persperation, third, concern, her; doning the first fortnight the forer-confined him to be had, after which it distincted, though it never not completely about, as he was always lable to retreated how and required right; the third about ; the appetite improved, though a our never quite restored , he suggest again in his beauties, and cominned to a doubtful state of health for her arrests, throng which time there can so emply. After this period, the forer confound, the rigors returned drily, general archives increased, and he was obliged to relanguish his peopletical, and lie a consolved by part of the day on his had. In the last of courts the mercals was complete, and alonely afterwords is was reemposied with a slight rough, so that when the parisan exnorth this had been present about a countriently. Our impriner were providedly directed to the accuracy of this fact, and the patient invariably personed in discharge that he cover had any tough previous to this period. For some mustle be last been subject to become on a superior, but rapidly but his desh, experienced occasional posse between the choulders, ead during the lest share your had been attacked make teneopieus hemaptysus, our of which insecond only a few days: provides to his entering the hospital.

March 65th: Expression, manners corp, much interrupted by cough spate, you've, greater, not manufacted, but construct in a hopel, repress that purmines of the thorax clear; a constituting rate men arms, as the clear, degraining as force from store downward; tracked responses, with distinct pertendingly between the shoulding; and on the right ody, when the potent spoke, there was a special of mercine tackling; pulm regular, very dightly accounted, next, a regular, under and clean, pulm on the reign, spotted only red in the

centre; mouth, classicy; thirs, moderate; very little appetite; breath, fatid; countipation the last two days; abdeness, every where yielding and feet from pain.

April 1st. State of the patient, searly the same; he complained of contripation and catterns weakness; the metallic tinking, more evident than before; accessively on the right side there was a crepitating ride mingled with a garging sound; percussion, dull under the left clavicle; sense of oppression in the epigranium. 2d. Uncerimen and maxing, with incremed dyspoors. These symptons gradually increased, and the potient expired the following morning, at five o'clork.

Opening of the corpus twenty-seren hours after death.

Extensor. - Nothing worth noting.

Hear — Rather considerable sub-machinistics inflimation; some granulations near the longitudical fasors, addening to the data mater; pix mater, slightly injected; brain, firm and healthy; two spoonsful of screen in the lateral sentricles.

Necs. - Epiglotis, laryax and tractica, natural.

Critics. — Lange, every other inherent to the contal pleara; superiorly the adhesions consisted of a very deme false membrane, a line thick, and haver down, of ceitalar prolongations. The sommit of the left lang presented a vest, ragged excavation, traversed by bands, and lined by a false, semicantilaginous membrane, lying upon more or less seminally discused bang. The upper lobe was informed, of a greyith color over two thirds of its excent, from its auterior edge; it had a generalized appearance internally; it was, in fact, bepatited and easily broken down; it contained numerous takeneles and some grey, semi-transparent matter; the have labe wer miner red, with pritty assessment to bereferand granthitents. A similar excessation existed at the amount of the right large, but still targer; the remoteder of the appear laberesemited of salesceles and pay granthitens. The broadcast communicating with the two large carries were very red and much chickword; the other were thin and of a pole park color. Heart and sorts, minorsh.

Announce — Stomest, of motorno volume, exceeding a good deal of rhick and remesons means. The fining manhance was other and marchine mathic suities edicine, grayith along the bage correctors, while is other part; it was a little softened in the great cul-de-me, of partial consumers and thickness elsewhere. There if the small intention presented seam variably red spen; and in the lower half five small ultrations, many of which remained independent granulations in the encount the masses, There were three large observations in the encount the masses manhance of the soften was large and there of a light red, without any other alternion; the facus were of a leight yellow color, of mercal form and consistency. Movemberic glands, rather voluminous, of mound other and features. Liver, pule; hile in the gall-blacker, fine colored and thick, the markle. The other theliamous viceurs term leading.

attend complete unalogy both to regard observation there is an along complete unalogy both to regards the completity of the disease and the progress of the symptoms. The felicite conversant preceded the cough, wouth indeed only attend the last six weeks, and after death the large were the only organs in which a serious and chronic home our present. We cannot, therefore, stuffacts the previous felicite measured states to the cough, or to the market condition of any other seems, and we are found to the conclusion that tabereless exceed for any

tenier to the cough, and were not dependent on beenchitis. This induction is still more natural and accounty in this last observation than in the preceding, for in this the cough only dated six weeks, while the tuberculous excurations were very large, and we have already more (19), and shall again varify the fact faither on, whose speaking of scate plathins, that similar excurations are not produced in six weeks, or in two months, that they measurably suppose the duration of the fixence to have been from four to fixe marghs.

378. In both a not it is clear that cabencles existed in the large during a longer or shorter space of time, nithout determining cough; that they gave rise, while in this latent state, to febrile symptoms more or loss interne, to ancrexia, emaciation, and more on less consultre loss of strongth. In cases where there are the only symptoms, are we able to decide upon their cause | This was not impossible in the case before us , for two years before the invasion of the febrile symptoms, the period had had several bassoptyses, and we have mid-(233), that this fact, if not comin, is at boot an infinitely probable industion of polynomery subspelor. Supposing for a moment that me had seen the patient soon after the commenorment of the fover, we ought then, by means of the previous history, to have suspected the existence of tubercles in the lungs, and pechaps at this period asscultation would have removed every densit. We ought, therefore, mover to neglect this method of investigation, whenever febrile symptoms are present without any evident same, more especially if these have been preceded by one or more hamoptysms."

[&]quot;I cannot before thempting to improve spot the mind of the reader the importance of the perspect, though I have no remodel facts to support it.

But I remounter perfectly the case of a female who subset Louis's made.

379. Among the member phenoment moting attention, we may recall the metallic tinking, which, according to Landson, attentions a vast exceptation partly filled with air and finely which was the rate in the matters before an. We ought also to remember the state of the gastric maccus membrane, which was almost perfectly leadily, addenged the digentite functions had been decarged, for a long time. However, the absence of masses and veniting-fid not lead as to expect any serious alternation.

Lastly, the brackin one healthy only the enception of those communicating with the executation, proving, as we have already remarked (201), that the chickening and about tion of these materials are observed, result from the constant action of the greatest of the constant.

TWESTY NINTH OBSERVATION.

380. A sextravaria, at 22, born of healthy parents, not liable to cold, usually is good health, and with considerable embargoons, was admitted into the Impetal of La Chambe, September 9th, 1924. She had been subject to elaptoness of benuth from her infirely, and her persent illness had excemenced two years and a built before her entrance into the hanpital. During the first seven menths she had constant force,

with more friend yield that make one approach to the case was a very attended to a plant that the experience of the control of

with daily paroxymus of cold and best at four, r. st. These gradually ceased without my mentment having been sried. While they continued, the gatient was confined to her bed, are very links, luxing almost completely last for appening from the community the emerisfies was rapid. Suraformants partially recovered her enough and firsh; her ment dysproms considerably incressed, and during the three months which proceded her extremes into the hospital, that is, from the assured the began to cough and expectorate, it beconst enfrence. Previously to this period she had neither cougled nor expectorated, and on this point, the patient, whose intelligence was developed and memory good, never varied her statement. The appenite was always much diminished, almost absent. The distribute, constant, sometimes copions during the last eight months, and accompanied with colic pains. The debility daily angmented, and for free months before we saw ber, she lad been confined to her bed. The rigers, followed by heat and perspiration, had re-appeared the last fire weeks | there had been so hemoptrio.

September 10th. Face, pale; camerae meakness; intellectual faculties, perfect; great smaciation; considerable dysposes; aposts howeverly; cough, principally violent in the assuming; expectaration; greenith, scarnty, semi-opaque. Tracheal respiration with distinct perfectloppy and delocas of sound to an extent of five inches under the left clavicle; the same symptoms posteriorly in the corresponding point; on the right the respiration toward natural; pulse, weak and accelerated; heat, rather elevated; tougue, rather pale; very lattle appetits; the liver extended three inches below the ribs; no pains in the opigastrium; three stools with colic the last twenty-four hours.

(White decertion ; solution of gum symp ; julyp ; irre and an egg for food).

19th. She complemed for the first time of pairs in the opper part of the bayes. 18th. Continuous of the print, which were only felt on attempting to smallow, appears, rather improved; cought listle; no rigues. 10th. Increased cough and dyspoists, with frequent study and represent rations.

(Gum potion with a grain of opinio)-

The distribute capally descended; the cough exacommonally codest; some numer and ever contings of a clear fluid morgled tests around; total loss of appetite; no alternation of voice.

30th. The pains in the next, had crusted; the complained of headache and general broomle; the langue, lips, and interior of the creeks, were carried by a large camber of white this patches, beautiful which the nuclear marches was rather redder than below to the experienced on pricking sensition in the langue, and the membersons position disappeared the mext they. The deglarities because very deficult; the experienced remode, the police fell to many the last true days, and on the 4th of October, at true, as we also experienced march meets done to the other crusticescopes, and being experienced much meetal arrively at the idea of dying.

Opening of the corpus menty near hours after death,

Extrares: - Nothing remarkable.

Heart — Four times spreaded of that are the upper purtion of the arranged object to exclanations infiltration; tome injection of the parameter; continue substrates, of a pinkcolor; the medalitary presented for sed points. A spreaded of clear fluid in each langual ventricle; two more in the inferior occipital force.

Neck. — Maxous membrane of the pharyax, pale, thickened, and on it there were namerous small alcorations, from one to two lines in diameter; then of the epiglottic was destroyed over ball of its lower nurface. Nothing worth noting in the laryax and trackers.

THOUSE. - The left ling adhered infinitely to the conal plears; the apper lobe was invested by a false semi-cartilaginous membrane, from a line to a line and half thick, which was continuous anteriorly and internally with another less thick, which partially covered the upper lobe on the right side. In the amount of the left huge there was a vest excavation with very this parietes autoriorly, bounded inferiorly by a thin ragged teptum, dividing it from another cavity seated in the posserior edge of the lower labe. The remainder of the upper lobe was transformed into a greyish matter, opaque, not grasulated, and which was traversed by a great number of white firm bands, which seemed at first view continuous with the seminantiag noss asvering which has been described. In the midst of those there was rather a large number of small tubercolous maxines. The corney of the lower lobe was of modernte size, in commined a thirk Again of a livid red color, and it was traveried in was that of the apper lobe, by a great number of bands of grey semistraraparent matter. In the remainder of the lower lobe there were considerable masses of grey semi-transparent matter, otterspared with the numerous whitish yellow paradatom. The intervening titue was healthy. At the current of the right long there were some small excavations, and every whom minutous granulations or messes of grey, some manpurent mutter, similar to those in the left lung; many among them were on inch wide by three inches long.

and were spotted with white, opaque, militry points; two-fifths of the lang were permeable to the sir. Bearchia, rather red and slightly thickensed near the exercisions; showbern they were healthy. Having injected the polarizary artery, we found numifications in the healthy parts, very few, and only in some of the grey, emi-transparent messes. There even more in the grey, equippe solutions occupying the upper late of the left lang, which substance, to all appearance, was the could of chronic inflammation (16). Several of the bands traversing the excursions were supplied by many very moral around multiculium. Heart, small; parents, thus, but has a sorta.

Amones, - Stometh, clongwel, nearly corned by the liver; in mocon membrane was of a built and, only roteened anteriody, normal every where else. Some minute alcorations is the lawer right of the small investing, and in their intervals numerous white, opuque, some-cortheciscus granulations, increasing in size and number towards the careaut; in the rest of its extent the number necessary was healthy, with the exception of man red spens. Early bregular algorations, from an inch to m inch and a bull in curlaw, in the cacous, securing and maneurar calms. The compapending amous membrane was destroyed, and the callslar layer rough and thickened. In the intermediate spaces and in the remainder of its extent, the suppose marshring was a little softenest, of twice its usual thickness, and in some points of a violes color. Mesenteric glands, small and healthy. The Ever descended an inch and a ball below the role, was of a tarney color spotted with rad, with numerous pale points; it was not distinctly adipous. The bile of the gall-bladder, dark colored, and of the constance of treacle. Splene, rather voluminess and notraned; the other timers, healthy,

ast. Our reflections on the previous observations are equally applicable to this last. When we first now the partient the cough and only been present two mentles, and alwaydy large excavations existed in the left larg. It had, therefore, been preceded by substreles, which cannot, at least in this instance, be considered a result of broughtin. The condition of the gustie success menulurate indicated a recent alteration; the intentional ulcerations were dependent upon, and consecutive to phthisis. It is then to the large above that we can attribute that intente felicits phenomena experienced by the patient during the first six mostles of her protracted illumn; for no one, doubtless, will believe the fewer to have been a simple agas, which does not diminish the swength and appetite, so as to force the patient to remain in bed.

Some, however, may still consider our conclusions precipitute; but let them remember that this patient was very intelligent, her memory good, that she was questioned with the greatest mare, that all the organs were carefully examined after death; and they will I think admir, that if the faces are rigorously correct, our conclusion are legitimate. While we ought always to avoid deducing consequences from doubtful facts, let no such hesitation exist about those which are well accertained, especially when no complications are present to render their interpretation difficult.

382. We have said that the redness, combined with slight softening of the membrane lining the anterior surface of the stomach, was a recent alteration; and our opinion is confirmed by the inconsiderable apagentric pains and names which came on after the entrance of the patient into the hospital; so that in this instance, as in the first two observations of this chapter, the provious accrexis, experienced by the patient some time before death, was not dependent on any appreciable alteration of the mucous membrane, but on the poperal phenomena, perhaps the febrile affection, by which the stomath is larter enerd in common with other organs.

Relatively to the flatilistics of the polinosary artery, we refer the reader to what we have und in the first part of this work (11), and shall marrily observe, that the lock long was almost reliably convented sold excernitions, and the grey and opaque, or seed-transposent substance; that on the right side there were larrely two filths of the long permeable to the air, and that the respiratory function was almost entirely confined to this diminished surface.

483. The following observation is neither example of latent platians, the progress of which was so choose and observe that it was not recognised during life.

THIRTIETH OBSERVATION.

A manuer, no. 31, of a delicate constantion, great sensibility, and subject to shorteness of breach from her inducey, complained of being liable to frequent indispositions for accord years past. She said she may not subject to cold; but, in referring to the first symptoms of decanged health, we discovered that for seven years she had expectanated a little every morning, and that during the first eighteen moralis of this period she had had a constant cough. This was never inconvenient, and crossed spontaneously after a long voyage and a residence of three morales on the sea side, although her liabits of life were not different from what they had been previously. She did not recollect to have since taken cold, but the cough was excited museumanly by foggy weather and atrong scents. During the last three years her

usual dyspicia had rather increased. At the commencement of this period her digenion because dasped, and now and them the suffered from a tense of weight and prickings in the right hypochordrism; the skin assured a yellowish tint, and an erganic affection of the later was improved to exist; for four or five analysis to was treated by calonel and pargatives; her diet was much restricted, although her appende was but diglishy diminished. This treatment this not relieve her. Afterwards the digestire functions became more deranged; the appends decreased, and the estamenia were suspended at different intervals for there or four months, and had been wholly suppressed for the seven isosatis preceding her wholester into La Chapité, January 2d, 1823. She had here subject to sore throats and pulpitations; the thirst was occasionally organ the last three years; she had never had becopyyins.

January 2d. Yellowish rings over the whole surface; conjunctive, natural; brownish upon on face; considerable debility; landaude in the litelit; prickings in the legs, back, and sides of the class; speech, rather harried; no dyspaces when quiet, but it is brought on by the least exertion; no enogh nor expectation; promission, every where clear; respiratory narmur, natural, except under the right shoulder-binde, where it was stronger than in the corresponding point on the left side. Pulse, enther quick; bent moderate; tongue, clean, moist, of a pale pink color; appetite, diminished; so thirst; digestion, easy, especially of animal food; spigastrium, resisting, as from some flat surface undermenth; hypochordria, picking; stools, rare; once copeous and without pain. The patient complained only of weakness and pain at the back of the neck.

(Infinion of sapon: offic. for drink; extract of gentian 5 j., twice a day; quarter of the house allowance).

She remained nine moeths in the hospital, where she slied on

the 28th of Suprember. During this period we examined her every ten days, more frequently theing the last month, and the following was the small: - At the end of February there was a slight cough, although than and miti September the patient mured us that the did not mught the breathing was quickanied by the digitaria morrowat, but from the absence of cough leading us to ruppose this to be away to general weaksees, we paid has links attention to it. Thirties the last fiftren days of September the rough locusts much more frequent. and on then heard in for the first sine. On the Wat, there were some summalated space, which made in suspere pathons, by investigation, imperfectly employed the runs day, gave on satisfactory information. The pulse was abrays small and week, and was but slightly acrelerated until after the first six menths. In general there was slight increase of heat in the evening, and during the but mouth only, organized rigies with night perspirations, occupying the seck and closs. The appetite was variable; showing the first seven months she are a fourth or an eighth of the name allowance; after this there was complete aucresso. Digestion test almost always diffault, but rather less as during just of the fourth and fifth months, when believe of except were personally there was took atmost during the last fury days. At the commencement and during the corne of this last period, the complained of point in the nock and of difficult degluitions, particularly just when the food was entering the mornels. The thirst was always rather organt in the exemity.

From the fifth amount the force descended below the files, and she was sociable to the processe of a weight follow as the right or left as the planged her position in heat.

The tengue was commonly the seat of heat and employment pricking semesticas, and retained in sound onice and the end of August. It was afterwards covered with white, rounded, variably thick putches, which lasted one or two days, re-appeared after irregular intervals. At first no change took place in the color of the tougue; it subsequently became red. A similar exadation took place on the roof of the asouth and inner surface of the cheeks and lips.

Colic pains were frequent, sometimes very acute, and during the last six months there was occasional diarchora.

The yellow state of the skin persisted, and towards the middle of July the brown spots on the face, which were light-colored and small when me first observed the patient, became darker, and gradually extended over the whole face, like a mask. Œdema of the lower part of the legs, during the last six months. The debility progressed slowly, and the patient was confined to her hed the last fifteen days only.

Opening of the corpus thirty-four hours after death.

Extensor. - Extremo association; slight assemt of the lower part of the logs.

HEAD. — Some attachnoidessi granulations in the course of the longitudinal store; the brain was yellowish on the surface, of firm consistence; the remainder of the encephalon was bookly.

Nacu. — Base of the torgue, rather red, and covered with a false pulmocous membrane; laryax and epiglonis, natural; the tracken was filled by a white frothy fluid; its nuccus membrane was healthy.

Thouax. — Left long, fee; slight adhesions of the right upper lobe, corresponding to a large inherculous excavation, fixed by a thin false membrane, almost wholly in contact with healthy long. Numerous small excavations communicated with it, which were sucremited by slightly infilmed or indurated palasonary times; the two lower thirds of the lung were engagement was less comiderable, but at the minimum there were numerous small excuration, containing the remnants of taberculous matter. On both sides, the broachia communicating with the excusations, near of an extensely pale pink color, and very thin; elewhore, they were pale; in all, the mucous membrane was of account comistence and thickness. There were about an ounces of minus fluid in the left plants. Heart, of moderate volume; lining membrane of left vertricle and acers of a bright red; this color naturalist to the middle amount maio, which was not otherwise affected.

Announce.—The marries are already as in palesteen membrane, which record simply in contain with it. The atomich was small; in thing membrane and thirt of the small intestine were everywhere normal, as regards color, committee, and thickness; that of the color was grey ob, and soft as more in its two lower thirth; mesentiate glands marrie. The liver, though not increased in reduce, descended below the rile an inch and a half; it was of a duep yellow color, this gambage, fany, and of medicate consistence. The bile of gall bladder was of a diety reddish color, and thick; the kidneys were pade and a little coloring the other viscous of the abdomen were healthy.

384. The latent character of the disease is here so evident, that long reflections on our part would be wholly superflacts. During the trine months that the patient remained he the hospital, she may almost be said, with the exception of the last lifteen days, so have had no cough; and savely no one

can doubt that the exceptations in the large existed antenorly to this period. The only difficulty we can have, is to know when the discuss originated. If, on impreciou after death, the longs had been the only organ posternily affected, we saight robe the origin of philips to the period at which the derangement in the gallant's health commenced; but the fives was doorsed, and probably had been so for some time, and as it had been supposed by seem for a long time to be the sole cross affected, one neight antillant to it the greater number of the general symptoms which were present servend years before death. If, however, we reflect that three years attende to may alteration in the color of the skin, the persons was netocked with a chronic pulmmary enturb, not intense certainly, but constant during righteen worths, that after its theappearance the energic was saidly renewed by the slightest cause, such as odoes, fam, &c. ; that the alteration of the liver is our abuset position to (161), and depending on phthisis, and, consequently, asdroquent to the existence of the latter; we shall be induced to believe that the presence of inhereles in the lines must be reformed to the period of the chronic boundarie; and to their influence must be meribed the ourselness, and other symptoms experienced by the patient from this mousest until death. It would, indeed, be impossible to have any correct idea of the very gradual progress of the debility, and the general middeen of the symptoms, if the cause to which we refer them had not acted very slowly, and the tabercular development had not been extremely chronic.

385. We have taken for granted that the change in the easier of the skin depended upon the liver; but the condition of the conjunction may reader this doubtful; and our doubts may be strengthened by the fact, that in no instance of the

futly degeneration of the laws, have we observed an analogues modification of the sales of the skin. We must, however, remember, that the points had experienced pricking and a stress of weight in the right hyperkonomies, symptoms which were not present to the cases where the same annial local was observed.

The exceptages may bired by a fally reconstruct similar in that we have remained on the torque and made of the month; during a name the complagual deglotion has now at less deficult, and there but have prior in the neck. New, were the tracker our highlity, we are necked in referboth symptoms as an inflammation of the trang membrane of the complague, which produced the condenses just system of. This options appears holdy probable, although on have frequently observed a similar maximum to the mean question, without these assumptions symptoms.

486. Let us also remark that, manufacturing the frequent variations, the distinuism, and finally the total law of appeting the partie accords manufacture and perfectly healthy.

The bright was invested to a take membrane, lying upon almost healthy palmonary times; thus fact to some sold it is only in multipose immeries, where the membrane induction in small, that we can concaire the case of philinia remain plane, by the mains of the sides of the cavity. Loudy, who the new requires of a pule pink tings near the cavity. The community ting heaveful were healthy, which then, at well as the homey of the symptoms, in contrary to the idea of classic leonethics being the cause of tobercles.

THIRTY-PIRST ORSERVATION.

387. A nonne woman, at. 21, of delicate health and great sepublicy, had quitted, two mostle previously, the balarydashery besiness, to enter a religious establishment. She was well fermed, with moderate andcopered, and said she had been ill six weeks before entering the hospital of La Charité, September 24th, 1822; she attributed her illness to the marso rature of her food. The measural discharge commeaced at the age of fifteen, returned every fifteen days during the first three years, after which it was less frequent, but always irregular, and accompanied with severe paint, principally in the loies. From the first there was some leucordian, and frequently opigastric pains; these had seach increased the last six weeks, so that the could not support my thing upon the abdomen, and they were exampleated by coarse vegetables, as beans; they become very soute at night, but were moderated during an hour by a conful mixture, which produced a barriag separation in the engastrous. To these symptoms masses was soon orlded; there was almost complete loss of appetite, with frequent color, occasional durchess, and during three works, daily rigors, followed by heat and perspiration; there had been no cough, and no sensible increase of her dyspows, which she had had from childhood.

September 25th. Face, pale; seasonles system, firm; slight loss of flesh; sleep, intercepted; she seldem complained of headache; great debility; breathing, rather opposited, which is referred to the epigratrium; no cough nor expectoration; pulse, very slightly accelerated; heat, natural; tongue, rather moint, whitish; bad taste in the mouth, which is claiming; born of appertie; no thirst; complains of pain below the xyphoid earninge, without any increased local heat; another pain is felt around the santillous, with slight increased volume of the abdomen; bowels, continued for some days.

(Solution of exyme) for driek; smollient enems; two half sice or min).

The patient not liking the oxymel, an inflation of mecosy was substituted; this was equally disagreeable, and weak tea with milk was preferred.

October 4th, Some slight paint in the thron; respective, laborious, at times panting, very sociable. In the upper part of the right lung, posteriorly, there was indictinet pretoriloguy; this was also correctiones beard conjunite she inferior angle of the scapular the voice account to come in jurks; in other respects the respiration assured natural; there was no cough, or pain is the cleat | then were term little and frequency of the pulse is the evening, with persistence of the epigastric pain. 9th. Slight enugh; tracked respiration and distinct pretonlogor between the stapular, more extensivity heard at the right than the left side. We were very particulte is our inquiries as to the state of the respiration, possious to the patient's entoring the horarial; and the only answer the returned was, that she was attacked with a cold every winter, listing from our to see months, and that she had not roughed once for the last twelve months.

Until the 17th of Navanian, when death took place, no evident change occurred in the state of the wheet; the spata were trainly constituen fromy and micross, at others, completely opaque and forced rin; the cough was usually troublesome at night, and accompanied by occurrent paroxysms of dyspoxas. Diving the last three weeks the pube became more frequent, with increased hou in the evening; no purepi-

The epigantic pains were only momentarily uniqued by a mann both; they alternated because very costs, and were usually accompanied by increased local temperature; they enseed two slays before death. From the 20th of October the was attacked with hillows vanistings, recurring several fines theiring the day, and increasing in frequency to the last. The patient could not bear the same distributed with every days in succession, and at length became disjusted with every thing. The tempor, towards the close, because day; there were occasional oction and distribute. Great agitation during the last night, but no delivium or loss of conversations.

Opening of the corpus treasy-seres hours after death.

Extranon. - Comidentile quantition; the right wheek, on which the patient lay during Mo, was of a livid color.

HEAD, - Slight sub-araclinoidens infiltration; the brain, and parts connected with it, purficulty limiting.

CHEST. — Some alear serous fluid in the please; lungs, free, soft, crepitating, healthy at their base, industed at their summit, whose we found a great number of sucyssed tubercles. Some were excavated or only softened; the majority were still enude; the epits were still separated from the pulmenary tissue, and in their latervals or lower down there were numerous grey granulations, yellowish at their courses. The broachia were this and of a deep red. The heart was small and of a bright red color.

Automan. — Some reddish colored serum in the lumbar regions; about five cancer of healthy looking you in the pelvis. The cocumen was closely adiatrent to the small intestine, as were also some of the convolutions among them-

arlyes, in prints corresponding to alternations. Naturality miliary granulations on the periodneal section of the small intesting, most of which were insiderateparent; most were alightly opaque in the centre, and an wore situated on the adjurnat inflige of the performing. The micror months in of the storageli was red in the great end-though over an extent. of two inches | Scalthy in the vicinity of the pylorus and anteriedy ; soft as much to the remainder of the extent. There were numerous absentions throughout the whole of the small interior, vicated transversely, and with interests of from two as six inches; many of them equivaled the gas. The intervening mendman was healthy; in the ulterness prints it was destroyed, and the refragment byer was this and of a preyencolor) and in some points the muscular tunic was expended. thickened, and in thes sometimes separated by information granulation. The transverse and right lambar rolm presemed two mainted alcompane of the size of a deltar or larger, and similar in their structure to those of the small intestine; between these there was a much mother elegation, fined by the perameum. The mencur membrane was pulo and much withrural in the transverse volus. Measurate glards, name pehas referentiate, and the portion of the pland my yet stanformed was of a musual stricks and value. The liver was volumerant, pale, yellow, spented wate red, ratily tors, and adiports; the gall-bladder, rather small, and constant tide of the ester and commitmen of treating the other visions of the olidonen weni beshibi -

the cought is an embed provided the latest nature of the disense. Her se what preved ought no to refer the edges of the substiller? The solution of this question appears to an imposrible. For if we go hack to a period naterior to the six weeks preceding the extrance of the patient into the hospital, that is, further back than the pariod considered by beneff as the commescement of her idness, we carried by greater stress upon the last cold than upon the one perceding, for, during the interval her health was good. However, the size, number and structure of the alternations of the small intentine seemed to indicate that the pulmonary tubertles, on which they depended, existed anteriorly to the apparent origin of the disease.

389. At the time we collected this observation we had not appearing directed our attention to the softening with diminished consistence of the gastric mateous asymbrane, and we have only here noted its extreme soluting. It is, however, probable that both abstrations existed, the patient having presented in an interest degree, and during a considerable space of time, the symptoms which characterize this double lenou, viz., anorexis, epigratric paint, nausca, degret for every kind of drink, and hardy billous vomings.

The pureless ediction in the polvie, was the result of an acute and recent peritonists, occurring doubtless during the last twenty-four hours; at least we are inclined to this conclusion, because when we has now the potient no symptoms of peritonists existed, and during the night on which she died she experienced unusual agitation without any cerebral derangement; also, because at the close of other chronic diseases we have remarked the same agitation, occurring at the same period, and only under similar circumstances. We, however, regard this mode of viewing the subject as conjecture merely, and have only amployed in to show that diseases, when near their termination, are not without interest for the observer.

THIRTY-SECOND OBSERVATION.

390: A cross, at. 21, of a syste and delicate constitution, middle stature, and laying been nearly subject to becoming both beforeard inhorpountly to the first appearance of the easamerical discharge, had been iff six works when she was admirted to the Impiral of La Charice. At the commencement, sho had experiment exites, and paint of a very indeterminate nature; these pains, which were acute and macrompaned by forer during the first weeks, afterwards decimabed; forer than successfed, and she was frequently liable in the evening to rigors, followed by host and persperation. From the first the appetite was dominated, and soon coursed altogether, the patient only taking a small quantity of food in the morning, having considered that in the evening of our always the cause of incremed abdominal pairs. Some purgative medicine, they ing the first fifeen slays, produced slight distribute, there were scansily may increase of thing, and me cough. The catamenia had resumed at their usual puriod on the 16th of the last month.

On the löth of July, 1824, the day after her admission, the face one pale; there was elight general debility; percenter of cheet, olear; respiration, every where natural; no cough ar expertoration; the had however experienced nineteen months previously, after a postneted cold, an homopropie, which continued more are less sharing six works; the cold returned in the following winter; in the interval and ever since there had been some difficulty of heathing, but no cough. The skin was a little hot, and the pulse very slightly accelerated; the

parametrized and man eigers the previous evening. The tongue was large, entire main, of a whitch brown erbor; the mouth, elarmy with himse man; no thirst; forms drinks excited disgort; cold drinks produced colic; abdomen, rather tense and semilde to pressure throughout; opigustrium, painful; suffirings increased by all movements and during the febrile exacertation in the avenue; tocurrent colice; two stocks, daily,

(Solution of gurn symp; condicat careau; emollient forcestations; hip built; two soups),

From this moment up to the 20th of August, the day of her death, there was no rough, with the exception of the last ten days; she then unributed it to theoring off the bed ofother during the night, because the fielt too warm; it excited latte attention, and on account of her weak state, assemtation was not practised. There was always more or less heat in the evening, sometimes preceded by rigors, and constantly followed by perspiration. Towards the end, the pulse became very rapid, small and weak.

July 17th. The panent vanised some mostlifule of bile; the was non repeated with increment frequency and copiousness; it occurred almost daily until death, amounting sometimes to several piets of a greenish, yellow-colored bile. The epigastric pains were very violent, accompanied with heat, and were always mercused shortly before vanising; from the middle of August tiry were only smaller at that period. The abdomen incremed in volume, was often but and painful; the discrete was moderate and reminent; the appetite, which was usually depended or about, occasionally revised, when the patient reliabed a little scop and a fresh egg, without afterwards comining. The debility rapidly increased.

On the 26th of August, during the visit, the pitient was tensible of fer approaching dissolution, and pointed out to us some lanticular blinks spoot, which had just appeared on the obest and bands. She expend at three, v. M., the man day.

Opening of the corpor rightion hours after shoth-

Extenses. — Extense maniation; flaceidity of the limbs; personner of the leatients; spots abserved thong life; no vibines.

Hear. — The upper half of the brain, finner than the lower; two small specialist of secons fleed in the larged numtricles. The taker according and corcles ham, gather soit.

NECK - Epiglottis, buyux and traction, manuf.

Tuonex:—Right has, every when shortly adhering in the contal plears; the upper lebs contained immunishe adincy, grey, wan-immerized grandmines, some re-less opaque in their center; there were note in the lower labe. The left lung presented lower collular adhesions, with every where grey, armi-transparent grandations, and as in manife a middle-sized interculous excavation, hard by a remi contagnoss membrane, applied either on healthy lung or grandations, and correct by a soft administrate exadition. The transchip term healthy; beaut, rather small; norm, manife

Amounts. — The vocers and abdominal parietes must fined over mently the whole extent by a false greyish membrane, either immediately in connect with itself, or with a doll white, yelloweds, friable adsounce, arranged in packets, which were larger and over consense in the small pelvis than any where else; in a word, internalists matter interpool between its layers. This was next absorbant in the pelvis. The moments, of moderate volume, contained some bilious third. The principal position of the great cul-de-sucman of a pearl white, and in the corresponding point the mucous membrane was extremely thin, and of the consistence of

muous; a similar alteration existed near the pyloms, over a surface of about four inches; become these two suftened paytions there were hands from those to four fixes wide in the tame may, while the incovering membrase was healthy. That of the small interime offered some inconsiderable alrerations, and was every where extremely sedented. There were two ulcerations of three hors in diameter, with a much less softened name of the Toring membrane in the large intertime ; some nechness in the resource. The fires was rather redder than natural, and easily booken down. The hile of the gallbladder ous of a brown color, and mudirately dense. The interior of the otenes and the upper half of its mek were of a dull reliability white, with an uneven nurface; this was exmed by the transformation of the experiend layer into very firm tuberculous matter, of about a fine in thickness; beneath this were momenous military gramulations of the same mature; the remaining portion of the parietes was free from alteration.

391. The analogy between this last observation and the preceding is most striking, whatever may be the point of view from which we judge of them. Both individuals were nearly of the same age, similar continuous, and equally liable to pre-traced broad-had affections and gastaic symptoms; very little cough existed in either case towards the termination of the disease, and after death analogous boilers were found in the large and murrors membrane of the stomach. The tolerea-loss affection in this last instance, as in the preceding one, had also existently preceded the cough; and on account of the homophysis teleb had occurred eighteen months before the entrance of the patient into the hospital, and the slight dysposes which had existed from that time, we may comider the

toboreidae development to have communical at the same period.

The siste of the account of the positional eavire is not without current. A false membrane invested the assertor abdominal purious and vicera, producing loveren in layers a dullsyllow salutaness, is patches of venocs dimensions. This tracks be regarded by many accept of the party has if we reflect that is prograted the respective of tolerance author, -that we have never found a moute disposition, except in cases of phtheur - that its recommen no the surface of a fabanembrane is not more allocate to execute of these on the hing members of the unity, virileferations records inpoinales (Ohn. 5, 6). Intersects, I think, suppose it other than tuberednes natter. Wate regard to the interpolate transformation of the inner surface of the terrors, a sunst have taken plane rather experty; more in development of the utering functions existed previous to the present's admining arm the Loquial (181).

2012. The inderestion station on also it the same stage of development in avery regar, which more to point out the influence of a general cause order open many parts at the same time, and forces what we have obsaced as to the nature of the deposition between the layers of the false membrane.

393. The six observations we have just detailed are not the only examples we have collected; two of those, included in another division of our week, might be added to the number. One (Oto: 1) refers to a man who died after a violent diarrhum of five mouths duration, having coughed only during the last six weeks, and in whose large we found numerous tabercles and excavations, with very extensive intestinal electrons. The organic abstractions were such that it was impossible not

to suppose that subsection were in the longs anterior to the enough; and since the distribute was probably caused by the communication of intestinal ulcerations (which we have shown are a consequence of phthicis), we must admit the origin of the palmounty tabardes to have dated from the same period. The other untranse (Ohs. 9) was that of a girl, aged sineteen, who had been ill saven months, but who had coughed only a few weeks before morning the hospital; pectorilogay was then district; the spata were isolated and docculent, which faces, continued with other masters, proved the existence of tubercles anterior to the coughs.

394. Out of one brandred and twenty-three cases of plathisis, eight (or one lifecosts), were examples of pulseonary taleasts which were lateast, or in other words, which preceded the coagh, during a period varying from six morehs to two years. This proportion, although considerable, is doubt-test unset less than it really is, if the humoptysis, which so often precedes the coagh and expectaration, is the effect, and not a persumory symptom of tubercless. In fast, humoptysis had appeared before the other symptoms in seven of the cases eited as speciment of what we have termed "regular phthisis."

The eight cases of latent phthois may be unturally divided into two classes: in one, the tabercles existed a more or less long period before exciting cough or expectoration, or even any insportant general symptoms (Obs. 4, 30, 31, 32); in the other, they gave rise to intense general symptoms, as fever, emeriation, morexia, &c., before they excited cough or expectoration (Obs. 9, 27, 28, 29). The indutingness of the symptoms in the first division divorted the attention from precisely accordaining the condition of the large; but in the other instances, from the impossibility of referring the symptoms to any particular organ, and the known frequency of

plathistic, the personne of inferroles ought to have been susposted; we should have exemined every local symptom, such as pain in the side or between the thoulders, homopaytics, i.e., and especially should we have enfranced to meretain the exact state of the primarary organs by means of amendation and percention. Has this been done, it is indeed probable that pathons would have been recognised in all the cases of the second series long before the presence of cough and expectoration. We are then strongly called open to have recourse to those means in analogous cases, and in general whenever there is examination, and it is doubtful what the diagrams in.

395. The fact that toberdes may exist in the large without at more giving for to those pseudor completes which, some or lang, are almost invariable observed, most set be considered extnordinary, since this may be the case in all diseases, asflammations of parenchromatous ergons, of source occubrates, sometimes even in those whose mann is beaut, in softening of the brain, &c. &c. That what really is remarkable, was the vidence of the general symptoms, the forecount deputysment of organs which presented no appreciable pagarie abreation, while the only viscos really affected natural functionally. healther. It is, in fact, in the examples of simple and latent plebids (Ohi 27, 26; 29), that the fibels symptom have been nest provinced, and the districte of the dipestive fagetions most positrouse. This fast nucleus what we have perriously stated (\$50) that is the majority of entirers that fever in phthrocal cases is dependent on tubuscles in the large, and not on the co-scrative model changes, such as intestinal ulceration, &c., &c.

396. In the present state of our knowledge, it arems im-

mature of the causes which thus mark the presence of pulmoney tabercles. We cannot attribute it to deficient semibility by which the large become insensible to the possence of tabercles, since six eighths of the cases were females, and in one half of these, amazinely to the cough, the febrile symptoms were very interser, and a general reaction marks as much susceptibility in the system as the development of local symptoms does. The presence of complications equally fails of offering any explanation, for in the majority of instances thus did not exist.

We shall again refer to three facts, when considering the causes of subcreles in the large.

ARTICLE JL.

ACUTE PHYSICIS

The observations which we have as yet detailed demonstrate the extreme variations in the donation of platinia. We have seen it go through all its stages in proiods verying from three moutto to toward years (Oos. 10, 24), in the following examples its progress has been still more rapidly fatal than in any which have preceded.

TRIBTY-THIRD DESERVATION.

397. A sum, set, 18, of a tolerally strong constitution, with brown bair, fam, mucular system, with moderate embenpoint, entered the hospital of La Charité, April 29th,

Death, Blie had been with subject or each, countly as pool leadily, and dated her process illness only fifteen skys. As the communication, she was numbered by signer with characters, beforeal by home and proposition cate signer over a promptly removal; the first surmand and the their forms argum; their state occasional money, and more early more mentionals of him rejected; complete how of appoint and for quantitation for rejected; complete how of appoint and for quantitation, but his rejected; complete how of appoint and for quantitation and find their states of his couple and experiences are returned, present from the age of filters, had been most 100 and their money, the puttent had been most 100 and their money, the puttent had not apply the here.

April 2006. Expression accounted shift beautiful person to animals; respectively there is not excitation (recycling) cough dequal spirits envergaged, rather greener, rangest with bubbles of ext, paint in the motific of the decount out under the left classific process rather than have made of the elect (policy on border) and there, researched are full use been been process of each tonger, and in the elect (policy on border) and there, are a fail to be left to the left tonger, and in the elect tonger, and and a fail a bittle tonic for the center, according to a country, and while there exists there is no the center, according to a country and while the origin.

(Twelve begins to the usual articulated into one of the lets for dead produces of games your 1 two conditions consmits).

May but Intercend measure part of the right sale of the cheet; experience reports great a lark annual tech police lines association as latter.

(A positive to the painful part).

May 20. An expectation classes were a the stale; some develops and solutions.

(Blines to the phost).

From this period to the 19th of May, the day of her death, the progress of the disease was rapid and regular; the respiration, thoracie, frequent, varying from forty-ring to even sixty. times in a minute I cough, very violent, especially during the night; the expectoration was more or less copious, stucous, frethy, or wholly opinyin, greenith, without air, and streaked with yellow lines | percession of the cliest, frequently repeated, was clear; over the right side there was much succost ride on 7th. On the 10th, the responsity manner was not so distinct on this side as on the left, and a little erepiration was beard about the marrier. On the 18th, at each inspiration, there was a bind of topid crariding over nearly all the front of the cliest, with a little crepitation on the lost side. The pulse gradually quickened on the 16th, (unt handred and sixty-four); best, much elevated and sky; constant night events until the 19th; anovexia commissed; thirst, very organt, the patient donking five or six quarts of third in the four and twenty bours; some names, with billous vonitings and epigastric pains the fast seven days, and during the whole time there was slight diarthora.

The measurest increased; the face was pale and expressed surprint; appearance, much taken on the 16th. During the night of the 16th there was slight delinest, with embargased utterance; the patient cried out for anisosasce to be relicited of the sufferings in her chest. Death took place at three, a. w. on the 19th.

The blitter central to important some days before death. She continued the same drinks; anotherst enemias were frequently ordered; and during the last week, on account of the dry state of the skin. M. Chonsel prescribed some warm butlis.

Opening of the curpus twenty-fine hours after death,

Extraton. - Extreme murula rigiday, completable emeciation.

Hean. - Slight sub-amelianidam infilmina; the bain was healthy.

Thenex. — The left long affered more authorized potentially; the upper sales contained amounts only, non-transported granulations, and stack todorodate amounts in a cross state, mercureled by a citaly organized polarizacy forms the regognizant was more continuable in the base of the lower labe, which contained has granulations; the right long, universally adversed, was transformed at its base into a man of tuberculous matter of a pule near tire, as the extent of two inches in bright and two in broadth, recognizing armity time while iterations of this part of the long; it was perfected by a look of information could reclaim a small quantity of a trick, dark-releast that. Examples of the long presented numerous goly, consistencyment germalisation, and small softened matters of tuberculous matter; in times was eligibily expected.

Authority. — The gastie amount incoloure was intered by a viscid succes new the pylonic, and had some irregular reduces in the great end-desency the most income; relong and other abdominal circum were healthy.

398. In this observation, the interval between health and disease was short; the deviation of one, and the remarkon-ment of the other wore well marked; the damaion of the disease was thirty-fire days, that of the cough treaty-fire only. The violence of the symptoms is an errorch do so the rapid progress of the affection. At first, very income februle or in-

ment, associated after ten days with cough, expectoration and dyspoora; the latter rapidly increased; on the eight day of the rough the heating was firty-series, and it was still more accelerated on the succeeding days; the temperature was much elevated, and the pulse very frequent; all pointed out an acute affection of the lungs. The protonion of the obest, however, was clear, the results of misculation result negative, not tryoning the idea of branches, and only giving ressen to suspert, essential tim close of the patient's life; the first degree of parameter, which gave no explaintion of the preceding, or never the actual symptoms. Under these circumstances, was it possible to recognize the nature of the disease?

399. We night as doubt have employed assembnion with greater care, and large andood the effects of the communicary part of the closes; but supposing this to have been done, could we have formal our diagnosis? We think not. In fact, if we had decoral remander of the roles in the lower part of the night side, as have accided it to an externation model have been to have formal a conclusion in opposition to the general law? of the development of submentions mother, we., from the summit to the ham of the harp: so that every thing seemed confined to fabrily diagnosis, both from the situation of the lesion and the siclence of the symptoms.

The absence of the symptoms of pleurity or parametria, connected with the appearance of the spate, made M. Chound for a matter to suspen the exattence of phthois; but so many circumstances were opposed to the idea, that he crossed

[&]quot;Out of one based and reconfy-these rance this is the only sample of substructions matter developed from the law in the smeant of the large.

— Lattice.

b White more on page 326. - H. J. E.

to ensemble it. The fact, however, ought not to be forgonen; it increases the value of the expression as a diagnostic sign, and shows how useful it is to observe minutely in clusterers.

400. It is also very remarkable that, nowithnesding the extress rapidity of the telesculous development, there were scarcely any traces of inflammation in the temporalize visuous, more pericularly in the right long.

The digestive argues were too incompletely described to allow as to extend our remarks on the patric sympasses. Nevertheless, we would remark that the tourning of his connected with the dark stripes of the masses membrane of the stateach neight lead us to suspect that there was a somewhat action perhabilipsed state of this organ; has of what use are suspecious when we need austronic firms?

diff. In the following abstraction, the teherminan affection was not the inner-distal council drafts, but in an encounterment it was equally visited with the preventing, and this is there as to give it a place from

THIRTY POPULTU OBSERVATION

A reacues of the piane, et. 16, of middle heeler, enough remaining with a large close and maderne colonywise, was admired into the temporal of La Chonic, Orother 0th, 1828; he had been if three words. This otherior indicates menced textual my residual name, what having parades of a moderate report, with regers woo followed by heat, which has had continued from that have. After the first forman intensity bours the breathing became opposited; the dysposit rentimeally incremed, and there was occasional cough. During the last eight days the thirst was very organt with loss of appetite; no ampleasant foring to the epigestrian; no nature, vomiting or duribura.

October 7th. Expression of measures combined with indifference; unswers questions slowly; headache; movements of the thorax, limited and forquest; great oppression; cough, rare, some mucosa and freshy expressionin; respiration, weak, without rile, under the right clavicle, materal every where else; heat of the skin, moderate; pulse, nighty; tougue, yellowish in the centre, natural on the edges; anorexin; little thirst; sense of hour with dryness in the pharyux; deglatition, easy; no epignotric pain; consuprtion.

(Infusion of violen with pun symp; gum potion such exymel; emollient injection).

The sputa becoming slightly viscous, he was blad the next day to x s. Sth. Experioration, rather easier; dyspacea, as before; no change in percussion or uncultation; tongue, rather red on the edges; painful serse of heat and drysens in the pharyox, which, as well as the numbs, was of a bright red; deglatition, difficult; thirst, moderate; hant, considerable; pulse; one bundred and four. Blood of the preceding evening, covered by a slight grayink layer, about a fire which.

(Pectural infusion with oxymel; game potion with \$ so, of the oxymel of squills; Motor fire inches square to the americe part of the chest).

The next day the heat of the number was diminished; polse; rather less frequent. 11th, Synta, rather viscous, whee, spentous; respiration, as on the 9th. No empiration could be detected, and percousian true energy where clear; pulse, rather weak, nivety-six; pluryux and consile as before; the unessiness incremed; the movements became difficult and meeritain; two liquid models

(Dennilomt gargle).

12th. Poler, less frequent; expression of prostration; speaks slowly; the usuals was infiltrated; be call complained of the heat and dryness in the plurynt and along the neck. No charge on the following day. I did: A bind of bettern sound (bruit de coeffet) was bound over a great part of the class), expectoration, viscous, white or greyth; poles, very quick; toughe, land, dry, and cracked. Here of the plurynx, the same; its redocas and that of the souls rather less; increased arcticity, with general redocas of the face. Some deliminar in the night, and the next morning, at into, a. w. he expired.

There were thilly two liquid numbs; produce perspirations of the head sheing the night; the abdomen was never painful.

Opening of the corpor treexty-two horrs offer death.

Extension - Nothing worth outer, save that the nursular system was well developed.

Hear. — Considerable sub-tractionidese infiltration | the upper cerebral years were distended; pur contex, moderately injected; brain, very first, and firmly injected; a spoonful of elect Guid in each lateral ventrale.

Nees. — Amygdale, healthy: usula, a little thickened; partial destruction of the epigleon on the left side, for the space of two little large, maker law broad; noncon membrane of the largest, natural; that of the machine, of a beight red inferiorly, and of good consistence.

Turners. — Longs, voluntrous, that colored; the left was free, the right, partially affected. Their titure was red, and granulated over the greater part of their extent, easily broken down, especially that of the right; it was famor at the summit than at the base, and yielded when present a dark colored fluid, which was mirgied with a little air inferiorly; there were numerous grow, semi-transparent granulations, which dissists the size from above downwards. They were opaque and yellowish in their centre, and above they were of the size of a bemp word, below as large as a solicit send, the latter of which were whelly semi-transparent. The broading were thin; they makes membrane, bendity, with the exception of a slight brid tine, such as we frequently find in parious whose respiration had been difficult for some time before death. Heart, rather off; the areas presented some yellowish parabox.

Announce. — Round obscurious of about a low in disseeter through the whole length of the oscophague; the corresposting micross minibrate was destroyed. Stomach, relianitions a limit membrane, of an orange-red color, rather soluted in one half of the great cub-desire, and thinned in some portions of the same region; it was elsewhere uneven, minifflated, greyish, and presented some indentations, from one to two inches bing by a line wide, where the membrane half only one fourth the thickness a possessed in the maniflated portion. Duodanum, rather red, without other alteration. Small intestian healthy, with the exception of one submiscous absence, about the size of a pea; the living membrane of the large intention was equally healthy, except in being slightly sed in spots; the liver was soft and of a unway color; splees, rather large. The other vicers were natural.

102. Whatever may have been the day on which the presented removesced, the patient avidently ded in consequence of it, and not of phthisis; but we think that at one period tubuscles were alone present in the lungs, that they

Were the cause of the first februle symptoms, and that their development was usus; and the prosmosts may justing by considered the result of their report formation. In fact, from the 7th to the 14th iselmisely, that a cotil the fourth day before death, the respiratory mammer was natural so the left sale of the ebest, rather feelds on the right, and not here was there a corpitous or other rule. Hed three existed at this period some rentral parties of the lung attacked with permease. The respiration on the surface would have been rather incremed than dministed. Besides, as inflamention of so smited a description would not explain the violence of the symptoms or the intensity of the dysparen; percessed low onversity clear on the day after the entrance of the propert one on the 11th of Dennier; the begatization was given where at the same dogree of development, and seemed to wave taken place semilianearly in every part of the long. For all stone reason, or earnor suppose poessionis to him originated curber than the fourth day preceding death; therefore the layer, daypoors, and much, summer or this period, were every to the very capit. development of palerries. The scalls forcedable enumeratement, and as possiblence to what occurred to the preceding observance, induce to to combobs that if the pocuments had net been rapidly first, the informalism affection itself would have here no.

It cannot be supposed that when the lover and dyspensa commenced, subsection had already been or the longs for a time; for before the approximent of the policious symptoms the patient was in perfect health, and it is difficult to imagine such manners a granulation to be present realises some decongruent of the policiously functions; so that every thing indicates that the subsecular difficults was been extensely rapid. 403. The inflammatory condition of the laryex and the observations of the occupancy doubtless incremed the patient's arxiety and occurrency, and it is so the latter of these lesions that we refer the inconvenient semation complained of in the neck.

404. We have hitherto considered the mamiliated state of the gastric mucous mandrane, when combined with a grey shcolor (94), as the couch of element inflammation; this condition was very permittent in the instance before us, and yet thirty days before death the patient's brain's seemed excellent. Is this absention compatible with a somewhat healthy state of the dignoise functions, or is it sometimes capable of being aspidly produced?

405. Among the examples of scate phthis we shall include the following observations, in which, however, the progress of the disease was rather less violent and rapid than in the preceding cases.

THIRTY-FIFTH OBSERVATION.

A TALLON, Rt. 19, of middle source and moderately strong emotivation, proceed the hospital of La Charité, May 4th, 1824. He had been subject to colds during a few possions winters, had never been seriously indisposed, and dated his present illums toward days, having consed his occupation the law four. As the commencement, cough, clear expectoration, sensibility to cold; morexia; combipation; those symptoms continued, increased in immunity, during the last eleven days, and nore associated with point in the left side of the chest, principally mean the shoulder, with headische andlassiquée.

On the filtrenth day there were districts and complete Inc. of appeties. Patient took on resombinent alternation.

May little Fare, but, not, minuted peyra, british, birry plantache; bying or back, though be can be in any position; oppression, malerate, bitle rough pergramation, ble bothy solver. On starbilistic there was princarder the edge of the falso also, and percessor was doll in the lower half of the same side of the chart, and mirrordy make the classicle, garging very dottest in the later region, and opposite the shoulder them was incomplete suppliency. On the right side annual-ration and percessors gave only require results. Pulse, ninety, medicately hall; tonger most, potential or edges, with a vellental-gray contain the centre; minute alongly; theri, argent; no appetite pagignation and hypogenterine models to present, there Equal study.

(Infinios of violets; gon potton V S. 1 v.)

fills. Same symptoms; the blood drawn on the day pre-

The core symptoms continued contently and almost unibroudy immuned up to the 4th of Jose, when death took plane. The dyspense was segret out to entiting very rapid-during the last eight days only. Towards the making of May the putions referred all her dyspense to the left select of the obest. Comple, constitute violent, but countly mechanic; the expectantion was nonewhat copious, river, finday, white, comewhat sported well blood on the 1st day of June, and more it towards precault, but not consist to our day in June, and more it towards precault, but not consist to our be left and below the marrier and over the too solories thirds of the chest posseristry; the argujumy heard about the doubler changed to a tought resonance of the voice, which were extended tower shows; the garging continued with occasional crecitions

26th. Trachest respiration under the left clavicle, without pectorilogue. 25th, Slight conjuntion attended on the many side. Palse, always accelerated, generally not has than one hundred, but it was much quicker the hat eight days. Heat, electrical a ruber regions night perspirations, but easily shills. The reague terained its first appearance; thirst, organt, proportionate to the febrile symptoms; no appende; epigastrium, rather printed the fact six days; afterwards not so. From the 22d to the 24th of May, some obser employer, without bitters user. Two or those figure goods duly, rarely entherdic pains. The debility rapelly increased, and the pain in the ride have ing bean once overcome, the patient accordanced of nothing navo that he did not recover his surregile. He was not mexicate about his condution except during the best few days of life. At this time to bry constantly on the night side; his debility proreused the exploration of the chest ality the 25th of May, befree uticle the respiration was natural. During the last week she patient's face was consumity of a sleep real color, and sometimes. is was of a crimon lose. Some deafness and delinion the day proceding death.

June 4th. During the visit she intelligence was clear; shirst, most orgens; and whilst suffering extreme dysposes; he drank rapidly and without aminutes; perspiration, very copious; and at elever, a. m., he expired.

He continued the use of the drinks first penerihed. Some thin broth was occuriosofly taken; he was bled a second time on the 10th of May; and treeled freches were applied to the areas, with a blitter to the left side of the chest on the same day, without any apparent relief. On the 31st the dyspeum, heat of the skin, and frequency of the pulse induced a repetition of the bleeding, which produced only a momentary relief. Opening of the corpse turning hours after death.

Extractor.—Considerable conscistion. Considerable thinning and above total destruction of the skin in the middle of the blutter on the about.

Heart — Brain, from enther injected; a specific of terms fluid in each lateral ventricle, and a specific and a half in the occipital form. In other respects the encephalos was healthy.

Next. — Carried glands, red, voluntious and first; some of their emission military televises. Laryageal surface of the epightein, alightly alcorated, rath a pully sum of the submirrors facuse; laryary mound; material memberose of the trackers, of a tright red, expensively at in latter part, of normal thickness and emissioner, with some small ulcarations which around as if made with an immunerat.

Tunnax. - The left lang (little exactly the cavity of the plents; it adhered to the displenger by treats of a false meabrann ; it was receively lying upon the plears over the even of its extent, and was firm and resinting every where except for the space of about we inch and a half of its anterior ridge. At its summit there was a half emptied eavity about the sign of a out, with numerous tobercies, and some inslated, hepatized portions of lung; the remainder of the whole hing was abunit entirely conversed into could rebreation names, depend to many of variable dimensions, between which these was convoly a tenth of the parenthana you notify to the air. The pleura noting immediately upon the solventhes mater could be easily separated from it. The right little was from with rumerous tubereles at its summit, many of which were asthroad or half excavated; they were evolved to this portion of the burg; the thin edges of the opper and malifie lake were hapatized to a considerable extent. The bik ventricle of the heart rather enlarged; aem, natural.

Agreement. - Stormeth, of moderate volume; its mucous memberso, red and softened in the great cul-de-ray, and below, over a space of four or five square inches, it was pearly colored, this, and as not as morns; in the many portion the submicous voucls tiero very avidou; in the rest of its extent it was manuflered, more or less red, of mountal comissences, and one twenty-fifth of an inch thick. In the small insuring, near the coome, there were some semi-cartilaginess granulations, some of which were obscured a about one small obscurious, four ore to two lines in dissector, with thetenol edges, and seven others about an unde in nurface, all savated upon the patches. Where there about extend, the corresponding submucous tissue was donn'ted, survey, thickened, and here and there destroyed; ohno have the amone membrane was healthy, Tim of the eccun and manning colon was soft; the large intestine was every where else natural. The nesemonic glands, corresponding to the ofceration were reluninous, more or loss and, and spotted with namenous military tubergles; licor, healthy; life, disk colored, thick; spleen, volussissous and softened; the other viscora were natural,

406. Up to the period of the invasion of the cough and fover, there was no functional demagement, so that we must refer the consentement of plathicis in this instance to that then; it was fatal in fifty days. It is true, the longs were not the only organs affected; but if we reflect that the left was almost enterly transformed into tabencelous matter, and that the right also contained a certain quantity, it will be allowed that if death could have been accolumned by any complications, they must have existed but a very short time belong

dends; as that we way regard it at the effect of the subsequloss affection of the bury.

the principal infection, and of the complications in the production of the federic phenomens. Annualism indeed, proved that the inflammation of the substance of the long occurred only townshi the close of his, and thus its officence upon the general symptoms was not exerted except a short time before death; but we cannot affirm that the inflammation of the gartric matters membrane did not commute on the same time with the cough, although we think it provides that it did not date more than four days provides to the patient's adminion into the hospital. At this period, in fact, the anorexis became complete, and the epignatric point were not present entil some days alternated. This, however, may appear doubtful, so that the observation before us is not a distinct example of the general symptoms which accompany acuse pathing.

406. When we first saw the patient three was dight agophony appoints the left shoulder; beneath this, percanion was perfectly flat, and there was no remnance of the voice, which made in suppose there was an efficient biranneedled by affections. But after thanh we found neither fluid, we false membranes, are attention; it is, threefore, impossible to give any exploration of the agophing, mines we afmit of circumscribed efficient righted false membranes, or a cause for apophony very different from rificiles.

and. However this may he, the abstrace of apoplemy beless the shoulder on the terminal day of the affection, in a point where percursion has shill, and where we found the long transferred one reflectuious matter, proved that the transfermation should existed at that trace; so can therefore, scarcele should that the informalism matter was developed absorb at once throughout the whole of the left long; a very rare cirverntance, and one which may be considered as peculiar to acute phthisis.

410. Around the informed and thinned portion, the gastric amount membrane was red, thick, and mimillated. If this last condition depends, in we have every reason to believe it does, on inflammation, the other most probably had the same origin. Let us also remark, that the ulceration of the epiglottic gave rise to no symptom; though we frequently asked the patient if he felt pain in this region, a negative answer was always returned.

THIRTY SIXTH OBSERVATION.

411. A washing course, wit. 23, of a presty strong constitution, born of healthy parents, not highly to colds, entered the hospital November 11th, 1821. The entarmin had been suppressed during the eleven previous matths, and with the exception of some unpleasant semations, which returned from time to time, and a slight dehility, her health was never disturbed. She mid that also had been ill fifteen days. Her affection had constructed by great oppression, and after eight days, an acute pain came on in the left side of the chest, with cough, expectantion, great heat, especially at night, amorexis and thirst; these symptoms were preceded during some days by distribute.

November 19th: Acute pain in the left side of the chest, increased by cough, inspiration and decubitus on the same side; cough, frequent, often dry; expectoration, feethy, whitish; pulse, rather quick; heat, increased at night; songue,

moist, greyish in the centre; thirs; assesses three liquid stools without colic.

(Infasion of violets with oxymed) gure present weeks feeches to the labia; positive to the cheek.)

Shortly after the application of the involute the pain of the closel diminished and completely exceed; the parent confitio on either side.

14th. The skin was less but | the expecteration careous, yellowish and rather sized; the rough was very severe in the creating; it was the same the next day; the pain in the side did not exturn, and there was a title appearant title. Expression, less assumed than usual, expecteration, more liquid 17th. Respiration, and huminal; pulse, a total servicement; then mildly norm, nearly married; night around; four liquid stools.

(V. S. 3 k)

From the 17th to the 24th the fabric ascument was very dight; the pulse was omely calm; the crugh, less frequent; sputa, rase, this; daily perspirations; diarrhea less than usual; apperite, increased; the fixed was increased gradually to a quarter of the house allowance, and the patient complained mently of being models to manner has mengine.

In the right of 26th she woulded her drink, and in the morning complained of a latter tasto to her mostly; the appetite because less; the epigrattors was not produl; the pulsowas accelerated; there was dight heat of the skin.

(Food fiminished.)

The same symptoms continued the following slays, and during the night of the last of Dreamber, after a actions perspiration, the was attacked with a viriant rigor, and a cough and dyspinors, followed by a sleep pain under the mercuss. In the morning the sparse series and spanners; the face livid, with great general depression. (Blisser as the surmum.)

These symptoms conserved to increase up to the 15th of December, when death took place. 7th, Mucous rale with a kind of garging, was heard under the left claviels. 18th, Same results from assertances, with percussion flat in the same points. The voice suddenly became extinct, and continued so to the last; no assoying sensations in the heynx. The pair under the steman was felt sometimes during the cough, 4th. Spara, greyish, counded and opaque; they retained these elementers until death; diarrhora during the last ten days. The patient said nothing, complained of mothing, and usually lay on the left side, apparently absorbed by the feelings of oppression.

Opening of the corpus farty hours after death.

Extracon. - Moderate catacistics; buin, not extenined.

NECK. - Larynx, natural; lining membrane of the tractica, and brenchia, of a necessitat bright red color.

Thouas. — Right long, from without tubercles, and engarged at its lone. The loft presented some cellular adhesions at its amortis, was feer elsewhere, and there was no trace of false membranes. The upper lobe was almost entirely composed of suberculous matter, every where softened almost uniformly, and contained three christs, which were incompletely emptiod; that tuberculous matter was divided into numerous masses, between which there was a certain quantity of the grey, semi-transparent matter. The lower lobe presented a small number of tubercies, and was engarged at its base. Heart, of a peoper size; its parietes were a little thicker than usual; norm, loubly.

Appears. - The storage was not sacre voluminous than

the colon; its nursus membrane was pulse. There were twelve eleceration, from one to sun lines in dismeter, in the small insertion. Liver, volunteees, fitty, and of a tawny colon; the kidneys were of a fixed red; stress, narrad; the trainers of small volume, but containing a small quantity of tuberculous matter.

412. Let us rapidly examine the precipal eigenmentative of this observation. The examined had been steple organization mentles, during which time three had been steple organization, apprecion, nor cough; in a word, an appropriate which exald be released to an affection of the lanes. We carrie, threefore, date the origin of the tobardor forther bank than the neuritor of the dynamic, or that the offerior bank than the neuritor of the dynamic, or that the offerior bank that the newtice of the dynamic, or that the offerior bank that are additionally the incomplete description of the grown transfer analysis free palaries, the absence of recent, varieties and epigustric pains, we may regard it is healthy. The prompt transmitten of the discrete is extract remarkable, now there were no rather lets in the right lang, and those in the left ware about materly confined to the apper labe of the left lang.

418. But the principal peculative in this observance is its resultion character. In fact, after some days of approximation, the patient is attacked with fever, rough, expectantion, and treate pain in the left ode of the choic; there dysoproms continue with more or less intensity, eight or tax days, and then yield partially to the application of backets to the table gas bout the prin count and the other question documents, and what a ground bleeding of on oness, the last school countries I amplicated the cooperation between conjugate the cooperation of the cooperation for a proposed; the cooperation functional and continues and the dispersive functions becomes to. The

amendment lasted eleven stays, and during the night of the last of December, the justical was seized with rigor, oppression, and anxiety | the cough was frequent, and death unexpectedly took place on the thirsweath day of this last exacerbation. Could not one say that the disease remained for some time stationary? It is, however, probable, that is constantly peopressed, and that the violence of the last actuals was principally owing to the audion softening of a certain number of subcreton, and their evacuation into the brunchia. It is certain, at least, that the expectoration underwent a decided absention from the moment the symptoms became family below.

414. The pair felt in the left side at the commencement renders this observation analogous to the preceding, and shows that when subsrculous matter in rapidly developed, it can occasion more or less suffering. In wither case were these any traces of occust pleasing. However, it is possible that as the tuberculous number was developed insustingly under the pleases, the pair might still be owing to this membrane.

415. In the four observations we have just detailed, the commencement of the disease was more or less violent, and death took place from thirty to fifty slays, in the midst of more or less local and general symptoms. There was no himseptysis; cough and expectoration terrations preceded the dyspaten, which last fact approximates those cases to those in which platfains is much less rapid in its course, and a latent thring a certain period, giving rise only to general phenomena.

416. But the number of our observations is too limited to justify may general description of anote plathnis, or to allow an accumulate to delineate the diagnostic signs of its first stage. We think, however, the disease ought to be decaded, in those cases where dysposen, cough, expectoration, forum, with

nometimes pain of the close and very hurried respication come on middenly and without prident cause; and where these symptoms persist and increase, netwitheranting the newcount. we oppose to them, while the characteristic signs of pricemonia, plaurisy, and sovere sufficating hypothitis, are wanting. Our diagrams may be assisted by the careful practice of noncultation and percusion. Should be find percusion absoure exclusively under the charcle, and the respiratory manner feeble, or in my way altered, when eyopions such as no have described are present, we may consider the existence of unsoftened submiles as certain. But notwithstanding this combination of symptoms and the positive results of surestimtion and percussion, doubts might still be emerained as to the more of the disease in the first arge, if, as was the case in the thirty-lifth observation, the tuberculous matter should be simultaneously developed throughout the whole extent of one lung. For, under these virrumanson, the dalaem of sound at the inferior and posterior part of the chest might favor the idea of presentation, although in front the dalarm of sound should be limited to a small space in the subchricular region. The change in the expertoration at the commencement of the second period, the strong and uncloud respiration where it was proviously observe, and the resonance of the years would soon remove all doubts.

417. In the thirty-third, thirty-fifth, and thorty-firth absorvations there were taken whose exceptations in the amount of the longs; but they two much, incompletely exceptant, and without false membranes; which proves, as we have should remarked, that these membranes only exist when the progress of phthicis is suich less acute.

418. Note:thetanding its rapid development, recording dearless were present, and minda to those we have described

In cases where the duration of the disease was more chronic.*

Thus, we observed observations of the amount membrane of the opigionis and nuclea (Obs. 34, 35), of the anotheras (Obs. 34), and of the small tension. In one case (Obs. 35), the manuscrammbrane of the atomich was softened and thinned; in another the liver had analyzons the fatty transformation (Obs. 35); and is another the covical and measurement glands contained a small quantity of tuberculous matter (Obs. 35).

419. Three of the patients were very young, eighteen, minuteen and twenty years of age; a fourth, in whom we found only grey, semi-transparent granulations, was in his forey-sixth year; the neute form was therefore not confined to young persons, and perhaps additional facts will demonstrate its existence at all periods of hie.

420. We shall reminute this article by the following observation, which we should have numicosed first, were it not deficient in many of its anatomical details.

THIRTY-SEVENTH OBSERVATION.

An expansion women, confined sevention days since, of a pretty strong constitution, and notally enjoying good health, entered the longital of La Charité, July 13th, 18vz. During her pregnancy her health had have excellent, and for six days after her delivery her general state was very saturateory. She was then subletely and militart my avident cause attacked with violent cough, accompanied with expectoration, dyn-

[&]quot;This result is remarkable, - Cow as-

prices, fever, ancorate, and income those. The luchia were suppressed and some abdominal palar controlled. The luchies were applied to the epigranium as the communications; and she was likely without resident relief; them symptoms continued to increase, and there was measureally matrix. On the 14th of July, the left vide of the ritest become printing and on the 15th har symptoms were the following—

Some healths, accurrent forming in the ran | faze, pule; great delithy; the patient required amounts for every thing; expression, standards; but for amount term just; memory, faithful; decabitus, abrusted; responsion, threads, forty-three in the monte; the pain in the bound and referer part of the left side, less acute than as the powerding evening; cough, eather frequent; percoming every where clear; pube, one bounded and forty; bout of the stan, not very great; no perspiration; tongon, most, rather pale; thirst argues; anto-main; abdomen, yielding; pain in the undifficult region; eight to ten liquid storts in tremes-fore bours.

(Infance of violety; gam petion; bloom in the antenior part of the about.)

From this period to the lat of August the day of her death, we observed the following:—Considerable approxime; respiration, frequent (fifty in a union on the 23d of July); cough, maderate (expertention whith however, on we seem, on the 19th; it was vocant, rat, or growth), and with yellow streaks on the 23d; this continued with hitle variation to the last. 17th. Respirator, natural on the right side, facility on the left; observe noteriorly so the 18th and 19th; and on the last day assumed onto a dight, day, common cide. On the 23d, gaming our board; on the 30th, the respiration tanker the clavicle was queloud. Poles, receptor for a short time on the 16th; it was much and one housed and chimeen

on the 26th, continuent as frequent to the last; best, always elevated; the troopse, commutty pale and most; it was attirst yellowith in the centre, but a few skys after entrance it became clean, and of almost natural color; no appetite; thirst, rather urgent; the left lumbar region inten or line painful; stock, rare; except the last ten days, when those was slight diarrhora. During the same period the abdomen was rather tymponitic. The patient appeared very messay, not speaking except to answer questions. On the 934-he said the last to juin ; from the 22d to the 25th there was some numbures in the right ann On the 26th, the compained of an acute pain in the sheader of the same side if she made the slightest movement; the movements of the right leg were also difficult and painful. On the 20th, it became colemnous and more painful; the patient record to apprehend her danger, and thought beruiff dying of consimption. 31st. Expression, rather more animitted than usual; she died at four, a. u., the following morning.

Opening of the corpue twenty-seem hours ofter death.

Expenses. - Emeciation not vary considerable | slight orders of the lower expension without whices.

Hears. — Sub-arachooidean infiltration much more considerable to the left than to the right; brain, lateral ventricles, &cc., natural.

Twoman.—A pint of serous fluid in the right please; the bing of the same side was a little engaged, but free from tobercles; the left long was every where covered by a false membrane, forming adhesions to the costal plants, much less dente at the base thus at the structic of the long. Between these two extremes the layers were reposited, and enclosed about a quart and a half of thick put; the long was roft and either heavier this the right, mutaling annumer wall absence emmunicating with each ower, but not, so for at we could detect, with the bearthin. They may about the one of a filters, a parental by a twintily thick layer of sound lang, and filled with thick par, the billy ground to the contex, and very the h at its circumference. Elements there was no trace of either inherendors, grey, or sound as parent uniter. The housiles here this soul of a pale pick ringe. Heart, funcied, right ventricle rather larger than the belt, with the person only conline thick; the anity of a bright not order, which gradually larked to the large randications; crucial some filled with congpulated blood.

Amount, — A pixt of fluid is the politic; from, of moderate volume, twenty, and rather adiption, oplore, to on its usual size, of a stall not color and mostle offered; guartic andcase membrane, red and solvened to a position of the great mid-de-sac, where he stilly; masses no orderane of the small imposite, natural; that of the large to content of a highly red and very set; attend, augmented to refere and offered; its internal surface out of a losses and color, to connect with a sangularmost fluid; it presented a microlated approxime, in one position, which was promisent, and which shouldess conperposaled to the attachment of the placemen, it was rainly removed, and farmed a layer of about a line thick. The vaginal parama wave such and out the left tode presented a perforation of half an inch in diameter, opening into an abscent lying on the diar born.

421. When the patient was admitted into the hospital, there was no oxident emeritation; ber attitude aystem was well developed; in short, every thing indicated a recent affection; our retiented questions as to the state of her health

during programmey, were always mannered by her saying, she was perfectly well, and that the cough and the other symptoms had come on air days after lying-in; so that we must admit that the left long underwent the alteration we have described in the space of one month.

422. The condition of the lung has been incompletely noted; we have omitted to indicate the structure of the small abscenes, and a may be questioned whether they were not the result of some other affection than the inhercultura. If dilaration of the broathin (and we think we have only to choose between this lesion and substrulous excavations) was the case of the appearance, the disease most certainly have been choose, the communications of the principal broadful divisions easy to be established, and the contents of the cavities thin. But in this case the disease was recent, and we could not discover may communication with the brenchin, and they were donse exteriorly, all which characters are not unusual in a tuberculom affection. Although the communication betures the raviries and broughla way not doministrable after death, the cavernous ride which existed during life seems tohave indicated its existence; we must also recollect the adipour mass of the liver, which we have seen is almost confined to plothini (161). We may thus organd this observation as an example of armor philisis, positing through its different stages in thirty days. It is semarkable that can of five cases of this affection, in two it was limited to one side of the chest-

483. We shall offer no remarks on the majority of the complications which were present, only recalling the pains and weakness of the right side of the body, when some bloody sub-inschmoldenn infiltration, more at the right side than at the lots, was the only incorphalic alteration. In three any countrion between this lesion, and especially the unequal fine-tribution of the fluid and the symptoms?

CHAPTER IX.

STANFORD OF PERFORATION OF THE LUNG BY A SOFTENCE TURESCAL DISCHARGENG STREET INTO THE PLEURAL CAVITY.

AM. This species of perfection potent out by Larmor, present stelf under two positival division; in our, a minimization is cutabilitied between the pleasal cavay and the breath in the other, the in act the case. In both, the member of perfection is marked by very serious and characteristic symptom which, when well marked, peoply our dispenses, if not certain, at least examinely probable. We shall prove this maintain is not following observation.⁴

THIRTY-RIGHTH OBSERVATION.

A was, at 36, of small stature and impersoon character, was admitted into the bespiral of La Charid, September 16th, 1822. He had quitted a few days before the prison of Poincy, where he had been confirmt few months, having contracted mon other his arrival a cold, which had made continual

If The first that observations is this chapter have been already published as our researches on explose documes, solve provide expression besting only emailymed the results assistant in our more more. We have, so it emerged changed them in no properly except that we have introduced some points in detail which were empirement in the observations, and the factor given them the factor adopted throughout this work. I have

progress. Emeristion had commenced with the rough, and during two months he experienced daily rigors, opigastric pains, with fluid and frequent stools. These days before entering the hospital, he was attacked sufficiely, after Inving vomited on account of bring exposed to the forces of burning chargoal, with a violent pain in the left tide, accompanied with dyspaces, and great askisty; after twenty-four hours the violence of the symptoms somewhat abuted. On the third day from their invation, the patient, who resides about three husdred paces from the hospital, came there on foot having occupied an hour and a half is no doing. The next day the pain and anxiety being will considerable, twesty Jecches were applied to the chest. Two days afterwards (19th), face was pale, faligued; his breathing thoracic and frequent, with orthopours) soute pain; percusion minimally clear over the whole of left side, more clear than on the right, and no respiration could be heard there, either is inspiration or expiration, nor any motallic tick-Eng ; the intercestal spaces were prominent and mide; cough care, some minimulated spate; pelus, our hundred and togetty; action of heart sourcely surlible is the precondul region ; month, claiming; thirst, orgent; very link appoints; man of weight in the epigattium after food; pair on present in the same region, which has been the man for the last two mornhs.

(V. S. § x. | infinion of violete; with gent syrap; gum potion; julip.)

20th. Symptoms nearly the same; fresh application of leeches to the left side, which was three quarters of an inch larger than the right; the next day a blister was applied. 25th. Pulse, down to mirrly-two; the dysputa variable, sometimes very tegent; decalinat, as before; bob side still increases without any change in outcuttation and percention.

There was lost a alight change in the symptoms during the following days. The patient dishling examination, morning tion was not egain yearfood until the 5th of October. In the upper found of the left long, there was then a reafficed murmer, and opposite the inferior angle of the scapela, when the poment speke, there was socially risking. In the some point, and lower down, the sound on percussion was doll; murrically it was ricarer than vintimal, but here there was no metallic tinking; the pain and cented; the left arm was ordenstress. On the 7th, the metallic tinking trut bond has seles below the axing and nearly every whom no the same rade of the thest postmerly. On the 8th, it is a codent immediately upder the exile. On the 13th, it was bound in the same regim and on a level with the assume, inferrally, permassion was perfectly flat. On the 20th percentage teas very clear between the clavely and massim. He matrille traking was so where beard. Cough, not very forquest; experioration, scenity. On the Bist it was marrie, and normalist and inoffice found in inhumature excessioner. The patient remainof constantly in the otting posters. The appetite ten excoolingly carable; egigastrian, also ye paralal on persons, and the habitest fixed, soop, Act, caused a sense of insight in the same region; shows, more or less frequent; look pumpsration; daily increase of weakness. The utilitation of the lesk and reminored sucil death. Six. Eryspelas as the others your, which west through the used stages as if an comparethe priest. 18th Some sight polarie and purling of thight; the next thy three symptoms were neverted. 21st. Great absorption of the expression, and he expired at these, e. 40, on the thirty-third day from the origin of the symptoms which indicated perforation.

Opining of the corpus scientees hours after death.

Extrazon. — Considerable infiltration of the lower extremities, especially on the left side, where the inguinal glands were redder and more voluminous tirm on the right. On the left arm, where the crysipelas had occurred, the akin was still rather red, about a true think; and lying on a layer of concrete per, more than half an inch in depth, which was deposited in the midst of infiltrated serom.

Hears - Moderate affiltration beneath the arachaeld (three-small spacerful of severe in the lateral ventricles.

Neek. — A superficial alcountion, one inch in length and half an inch wide, on the lower part of the muscular portion of the tracken.

Thomas, - On the left side there were nearly four quarta of greenish-colored pus, free from odor, sugmented by a small quantity of air. The long presented some cellular adhesions at its summit, and was invested chewhere by a false membrane, which lined the displaymentic and costal plears. The lung was flatterned against the vertebral column, about two inches and a half in its thickest portion, payaming posteriorly, opposite the angle of the third rib, a rounded opening, four lines in diameter, the tenningion of a const of the same dimensions, which, after an inch and a half, was continuous with one of the large broading. This canal was lived by a munitrans. which reposed either on subseculous granulations or builtby long, and evidently resulted from a larger cavity, successively namered by the compression of the air and pas. There were some small, incompletely excuented capities in the summit of the same long, with manerous grey, manistrassparent granulations. The right here presented superiorly a degression corresponding to a semi-certilaginous mass, suredoped by a black

and dry adottice with some inflined inherities. The miccommembrate of the broaching was of a height sed. Some ouncer of turner in the pericuntaria. Heart and array outural.

Automics, — Storearly, conserving districted by fluid; its living members was recogningly will in the great and dresse, where it presented to be not not uponly, and in the lower parties of the name region, over a uniform of two instances it was destroyed, and the remoter toyer can gone to make points. Elementers the consistency and stackness were normal. In the last quarter of the small attention there were shown their intervals, and administration, make a mak

THIRTY-KINTH OBSERVATION.

425. A sentermore, at 45, of a posts story continuien, abbourh commity subject to different dipolose, but been ill filters days when the our abouted into La Charite, June 4th, 1641. The illness had accommend to the engly expension, and a posity copies hamperies, store hand eight days, and had done been imposely repeated, especially darsing the hat four menths. From the same period the dysposea and become constitutely: the had frequent print is the sides of the chest; almost common rights and prophysical absolute had less her these and apparite, and vanished accordingly every

thing the took. For three months, epigaunic pains, frequent colies, with muccus and bloody stock were associated with the preceding symptoms. Sin had not hope her bed nor neased her occupation. 6th Some materials; this, eather yellow; broken; pains in the histo; expectoration, forthy, white or greateth, municipaque. Under the left claricle, where the pains had been almost communi for three months, percussion was perfoonly that, the respination was uncheal, and portordopy may distinct over three inches of unface; before this three was some carefulor ride. On the right side the empiration rounnel natural. Appende, feeble; tengue, maint, and of a good culm; exist drinks image-cruble; opigas-trium very senable to pressure, offening a resistance to the limit, which exceeded along the right tide (the.)

(Detection of polygala, with quines syrup; Julep; three rice crease.)

On the liftowing days there was rather copious distribute, and from the 19th to the 20th, econtent neason, with complete anerwise. A gree period with symptoms abated, the appears ed, and after three days the symptoms abated, the appears returned, and she was soon able to can one fourth of the house allowance, with only a slight sense of weight in the opiguatrium; about the mane roughs abunized from percunion and assentation. July 20th, at eleven, a. m., when from suffering, she was attacked with pain mear the inferior angle of the coupule, which was at first moderate, then maddenly very rislent, with dyspines, anxiety, continual cough, and orthopasse. These symptoms and not about their give night, and the pain frequently seemed to extend from the back over the whole of the classt, as far as the unfolious, again returning to the back.

In the receiving the respiration was extremely difficult, this-

racin; and fifty-tion in the minute; the patient mid she was sufficient, notester, having or expression of attense suffering; the princip the lack way mate, and the slightest percention on the right take of the chart was insupportable; the percention that much cleaner on the right that the left side, even when attempted at the most moreous part of the fermer; respectively summer, about these, except protonosty and toperacily; no suitable tiplating; policy, regular, extremity small and weak, a bundred and (wenty-ciple), constant, polyintions.

All these symptom perioded; the entiry incremed) there was no charge in magnituding, and after intente suffering, numerous interrupted by a transitory stages, the expression the fill, at eacher, w., there days after the communicated the pain.

Opening of the corpus treaspreight hours after death.

Expresson, - Considerable consention. Nothing this re-

Hean, - Sens another-few granulations on both odes of the Internalizal feature, pretty thick sub-anteloxident infiltration; conical information of the brain, rather pink.

Name - Laryes and trackes, satural,

Throads, — An incision much one the right side of the chest rave year, with more some contrast gas; the pleura, which find the decad region, was consist by a soft false members, in contact with four ourses of partid floid. The long occupied rates less than one third of the throatic eavity, and altered for about three inclus to the mercunding parts, by means of a fide, resistantlegisem members, bull a line thick. Immediately below the adhesion posteriorly, there

was a rounded opening, these lines in dismeter, communicating with a small envity, lined by a very thin false membrane renting upon healthy polinerary tissue. This small cavity did not communicate either with the broading nor with a very large excavation just above it, which was invested by a double false countries, the inner layer of which was note, the other remi-cartilaginous. In the three lower founds of this loss there now only some grey, semitransparent granulations. The left lung adhesed to the cental plears in its upper last, and presented at its normalt a large excavation, communicating with the broachia, and also with numerous small cavities; in the 100 upger thirds there were numerous grey gramitations, surrounded by a yellowish, scoist, semi-transparent substance, from homogeneous, and entirely deprived of sir; the remainder of the organ was red and hupatiend. The branchia more of a bright red color. Two ounces of serom in the pericardism; heart sound.

Announce.—The liver, relationer, aneven, dreply proceed at the right of the suspensory ligaroust, rather real, especially in the right lobe; it covered the sumach, and extended nearly to the mabilicor. The manuals was contracted; its internal nurface was nearly every relicus covered by mustas, presenting most the earding white space about four incluse in nurface, where the living membrane was assumenty thin, pale, and soft as mucus ; while the surrounding parties was nomiflated, pinkeroloust and trickened to the right; very thin and of a bright rad to the laft. Near the pylorus were numerous red hands, one inch long by three lives wide, where the museum numbrane was take and depressed. In the small intention this numbrane was test and injected, but of manual thickness and communicals; in the colon it was red, softened, and with small ulcommons.

FORTIETH OBSERVATION

1966. A women, as 32, tell and among narreal the haspital of La Clariti, Sept. 11th, 1822. She had commutby creathed and experienced the test alconomously, with frequest homophysic and productions and discribed rights. Willowed by here and production, with apposite pains, were present from the communication. Her breathing had been affected for a long time.

The day after administ the expression was arimited; headarbe; speaks tomordly, with measured aphonis; effitude, easy; respection, astural, except on the right side preteriorly and superiorly; where it was return to chest; some dysposes; expectations, greenes; on preteriorpy; police, rather quick; but obserted; increas, then and most; approtite, depressed, pare on pressure to the opigantium; considpation.

(Infador of Jerimi now a portion) pourse gorn polar walsymp of popping analysis common one stricts of the base allowance.)

From that there is no 20th of Dovember, when the expand, the following is the number of our observation; — In the beginning of Oracles that passed completed of good heat harmon the absolutes; where we constant of the robe and nearliest respiration to the same point and under best of arbelles, especially the right; procuries, every where clear; experturation, puriform.

December 4th. Doubtful preventingly between the shoulders and under the left clavicle; garging in the name print, over a space of the surber. To the night of the 19th, some

acute pains were felt in the back; in the morning those had diminished, without any evident increase of dynames. The following night she was stracked by a violent and audden point along the vertebral column, recompanied with dysputes and maicty. The next moning the patient was in the sitting posture, spoke only of her pain and difficulty of breathing, and assigned us of the suddenness of the annels; the consenuous was altered, and percussion was elemer to the left, posteriorly and laterally, thus on the right side. Over the name extent, instead of the respiratory murnur, there was only a reacoust ride, which appeared to traverse an coupty space before arriving at the ear; there was no metallic tinkling; and on the patient's lying down and rapidly rising, no poculiar sound was braid; the breathing was very frequent, with great agitation; she expired at ten o'clock the same extraing, after intense suffering. The heat was constantly elevated, and the night perspirations copious. These were unaccessfully treated during two months, by the aqueous infesion of lark, in does of from eight to ten ounces a slay.

In the beginning of October the appende was feelile; there was a bitter taste in the mouth; the tougou was whitish; there were occasional comitings during the paroxymus of the cough; these were present with a still greater morexis and a marrial state of the tougue, on the 4th of Docember. On the 10th, the thirst was more organt; all drinks produced a sense of weight in the epigastism; during several days there was considerable distribute. The consciution was rather rapid, and on the 4th of December the left and was rether rapid, and on

Opening of the curpse thirty-four hours ofter death.

Extension - Considerable orders of the left zero. Nothing else remarkable.

HEAR. - Three small specialists of seems in the lineral ventricles. The remainder of the escapiles, healthy.

Nece. - Traches and largue, month.

Touras. - Only a small quantity of gas escaped from the bolt side, which contained about these quarte of a suggistednatfluid, without my fragments of allianters. A toll ramafrance, of a deep and robo, and my quarter of a box rock, every where investor the long and thoracic parates. The manning of the long for two iseless and a fall, was intenately delicent to the neighborne pure, and alone immediately because the adhesion posteriody there was a mustod opening about the size of a pea, communicating with a end excavation, containing a very small quartity of a gury ob floid, similar to what was in contact min the daplingor. This entity communicated with the broaden. The opper free sixtur of the bug were transformed into an industried, greytab, semi-transposed substrace, interspersed with monomus tuberales and small excavations; these communicated with each other, and is somepoints were requirated by a very time layer only from the thoracie cavity; the lower math of the lung was emperating, the lengthia trem of a puls well color. There more some treasvarious in the manner of the right long, and at its base some enule tubercles; heart, our third less than its would politice; some, every where of a beight red.

Assument — Startes is larger than usual; being membrane of a pate man value to many parter; manifested assertionly and in a precious of the great ent-ferrice; in the same points it presented many observations, how two to six lines are discover; in the year of its extent it was of normal consistence and thickness. In the small interime above was much money, but as manifested was pale and fear, and in the lower field some ellipsical patches were alexanced; the manner manufactor of the

large intention was pale; the observations diminished in frequency on approaching the recount, where only one existed. The liver was soft, easily torn; the bile either fluid, and not high colored; aplean, a Table actioned; cortical substance of the hidneys such redder and mointer than must; pancreas, indurated; atterns, healthy.

FORTY-FIRST OBSERVATION.

487. A workey, etc. 26, of a feeble contribution and extreme searbility, among La Charité, November, 15th, 1883; she had lost her flesh the last two years, which she ascribed to mental arciery. Though little liable to taking cold, she had constantly conglued and expectorated thring the last five months, and during the first fifteen days of the pulmounty affection, was seconds of fever, with herdache, much oppression, and the expectoration was occasionally bloody; the symptoms were subospectly much milder. During the last six weeks her appetite had almost cemed, and she had frequent colic, also rigon, followed by heat and night peoplications.

Now 16th, Expression, rather animated; considerable weakness, with surfeed emocration; unice, fieble, banky, the but two secutio; couch, impacts; expectations, greenish, impact test of the left side that in the right, in the corresponding part; showhere, the respiration was natural, and no resonance of union nor potentlepay could be detected; heat, moderate; palse, one fundeed; and the preceding certaing has usual rigors, followed by heat, but returned at cleans, v. w. Tongue, rather sed on the edges, villous and yellowish in the

renter) apperits, diministrating relations, yielding; the right handor region resulting, without wridest turns i thesis, regular,

(Pertoral prists ; inhatox of Incland mass; one fourth of the house allowance.)

The faterle parety-see incrementing the parient, the subplane of spoons not coupling of the on account of the onsummer, vertice, optimists paren, face, which followed on administration, is our represent to the 27th. The rigor had count, though the heat attention at the most feater.

December 1st. Teached improves under the left claridary execution of a short complete accessor, return of the rigors. On the following days the energy provided names, and the consequence was uncompled by explain districts.

In the night of the 1st of January, the experienced author
by a normalize in the lost side of the chest strate to trian
would have been exceed by the constation of a gas from before operate in their same part; the breaking at the same
time became very difficult; three one a rendercy to fainting,
and almost inmediately alterwards a very store poin behind
the loft manna. In the manning the pair consequent, it was
deeply sinusced; the breathing was much more benied, and
the patient was obliged to lie on the right side; much general
unexpires; the semation of the presents of govern their no longer excited. On the left side the class researched that a
draw; so respiration are metallice to king could be beard;
the aphenia was complete; face pale; bys discovered, and the
patient was discussed with spreads if site attempted to six
up; pulse, inclus, annuli, one landowload and extrees.

The state of the respiration having been accessively observed up to the 16th of January; the much of our electrations was the following: — 4th Under the left stella soute very weak respiration, with might amount rile under the clavele of the summaids. Sels. Metallic taking two lackes below the clavicle when the patient spoke. Teh and following days, it extended more over the chest, and was caused by impiration as well as speaking. The pain becoming more aente, levelers were applied on the arrang of the 10th. The next day the dispersa was interested, borathing very lamind, pain siministind, metallic tinking, as for some days, post, bound uses the three lower fourths of the chest, which has gave a very clear sound on percession, while there was no requiratory tound there; so charge up to the 16th. On the 17th, the dysports was much incremed; percention of left side was still clear. She expired on the 18th, without suffering, a few minutes after saying to M. Chemel that she needed deep.

From the commencement of the paramo-thome, the decuhitm was constantly or the eight side; the aphenia occasionally disappeared; the cough was not generally very frequent; the expectoration, growish, naminolated; polse, small, weak, and frequent; there was little mental depression, and hope of two-very was present to the last. These was no appetite; alternately consupation and distribute; some nancous comitings for a few days after the perfection.

Opening of the corpor tuenty-three hours after death.

Exercises. — Nothing temarkable; considerable emariation. (Beain and largest could not be examined.)

Thorax. — Percussion of the left side, clear only materionly; it contained rather more than one benderel cable inclear of a gat, which proved to be carbonic acid; the reminder of the thoracic cavity on this side, that is, about three fourths, contained a turbid, greenish fluid. The right long was searcely twice as large as the closed hand; it was adherent at its num-

mit for about two inches, and immediately below this adhesion, posteriorly, there was a rounded spring of 1900 lines. and a half in dometer, with this ruges, and communicating with a cavity, about the size of an ordinary apple; it was infractueus, and fixed by taberculous fragments lying on a thin false membrane, pierced in arrard point by the critices of the branchia. Below the performing there were numerous yellownly patches, corresponding to infrared televiles, on the point of unptying themselves into the plantal cavas; the remainder of the lung was soft, not containing air, but some tabordes, which dissinished in number recently the base. The plears was every where incested by a thin film membrane, firm superiorly; and in contact with the diaphragm, there was a greenish substance, of a goldmann consistence, exough to have filled an ordinary number. The right large presented some adhesions, with a small excavation and subsectes in its upper lobe. Reart, small; anest, buildy.

Assesses. — The storagels contained a mackette questity of viscous and yellowish macin; the links numbrane was of a tarray color, nearly every whem manufacted, of good consistence, and partially destroyed over a unface of two lines in length on the small currenteer; that of the small intestine presented in its lower half numerous small ulcerations; it was of a bright red color, and a laste inferred near the encura, for the space of two feet. The linksy numbrane [of the large intestine was throughout as noft as process, and and obserted in the ascerding color, with a light pink tint over the other parts of it; the layer extended for a breakle of three fagers beyond the ribs, was rather voluntious, of a dail yellow color spotted with red, of moderate consistence and rather adipous. Bile of the gall-bialder, pale and thin; the other vincers of the abdomen were natural.

PORTY-SECOND OBSERVATION.

425. A rouren, ut. 26, short, well seads, with red hair and well developed unscalar system, was admitted into the hospital November, 8th, 1824 : To hid been employed in the service of the army from his twelfile to his twenty-fourth year; had rejoyed good health, and dated It's present illness eight months; he had coughed and expectanated fining the same period, and antibated his said to the bed confiden of the office where he persurd his compution. The cough had greatly increased come on in processing, and during the last five mentls the expectneation had become opaque; in the fourth month, during filteen days, he had experienced accorpains in the back, and these had been felt in the left side of the clest for the last famight; at the commencement there was no fiver, but for three marries there had been increased heat in the evenlage, with constant copious perspirations every. witht. The appriles had are diminished, but the last two muchs it had been rather more intreat them must; bowels, regular. The magnitude was evident three months from the commercement of the first symptoms, and foun the same peried the patient had ceased his occupations.

November 9th. Great weakness; finds emaciation; a slight intermitting pain in the left side of the obest; moderate dyspaces; cough, frequent and in paracystes during the right; experioration, actuary, greenish, openpor, imperfectly numeratated; respiratory manner, contained, with nurcour ride and some datases of sound under the right startele, with resonance of the robot posteriorly in the corresponding point; on the left ode the respiration was weak posteriorly. Pulse, slightly uscelerand; hast and copiese perspection but night; upper tite; good; tomor, clean; abdence, not people; smale, more patient calm.

(Infasion of feeland mana; goin puton with a grain of opinio in the evening; a quarter of the ferons ellowance,)

20th. Intractively under the right elevate it mound to if a small puff of air exceed the continuous when the prints applie. On the mount of the colo, the speta-printed tome streaks of blood, and in the receive three was an expensionate of about turble content of blood. The continued more or less and the Sin of Dominior, and remain or disminish after the sam of a pure putien, which contained a draction of produced manufactor, and is disappeared completely on the third day; three bloodings from A.a. to 3 kg, each, with dramations drinks, and then producely into outperform, there was a cooperating ride on the fact that other, every where presently, and or the forces tall anteriorly.

9th, Respiratory normal, soully rotated in the left sale; spots, other, greater and remonstriet; more, understay pains, calm; the reporter, other for a time dissimilar, returned; there was no decreas; despects command; the cough continued wasy decrea the sight. These was little classic up to the little; the cough wealthy excited pain in the left side. But, Pretailingly viriling under the outer classic, with alight exceptation in the lower half of the once order it was marky miscernal in the last, and on the lifes it was confident under the other decreased suffering during the rough in the left side. In the connect the pain become multitudy conjuncte, with maximizable dyspanes; the next day the difficulty of lamining and underly were extreme. Jameny 26. At seven, 4, 2, the paints was quint

comeious, and clearly remembered what had occurred since the invasion of the pain, but already his sight had become confused; the face was bathed in perspiration; the dyspaces was extreme, breathing very rapid; percussion of about much clearer anteriorly on the left side than on the right. In the more region no respiratory resumms are metallic takking could be beard; sufficiently segment imminent, and two boun alterwards she expired. The same day, the expectoration was greyth; of a disagreeable uspect. Ike viscid size. There were some pains in the region of the laryers.

From the 15th of December the best during the evening was considerable; perspirations, copious during the night, without rigors; no chills; thirst, moderate; the appetite gradually diminished and then entirely disappeared; disrthera present during the last five days only.

Opening of the corpus trency-three hours after death.

Extension. - Musclet, thick, firm, well colored; emacintion, only commencing:

Hear, - A small speedful of sense in each lateral ventricle; a speedful at the base of the skull; no other abstration.

NECK. — Epiglottis and laryax, natural; lining membrane of the tracken, red, of normal consistences and thickness, presenting immediately above the broadcal bifurcation two small irregular elecutions, from one third to a fifth of an inch in surface, with a thickness state of the submucous layer in the corresponding point.

Thomax. — An inctionous gas escaped, with once noise, through a small incision made into the left side of the chest. There was a space of from two to three inclus between the lung and parietes of the thorax, augmenting from above downwards) the long was fixed by four whitely, thin, first bures, mitting the pulmoury and costal please. Its base, and the corresponding portion of the shaplungen torre fined by a soft false membrane, with a reventantal appearance, thick, and incontact with about tourve ounces of a poetry close readish fluid-In upper lobe was enveloped by another false membrane, half a line thick, and anni-carillaginous; and at its lower portion there was a rounded yellow patch, a line in diameter, corresponding to a softened tabercle, which had been panially discharged into the ploural cavity. The opening was in part closed by a small quantity of subsymbus master, and the eavity lined by a thin, soft, light cultival false unsubrane; there was no communication with the banchis. Towards the contral part of the same lobe there more three exercations, similar to the one we have described, surrounded by healthy long, and in the summit two other nealler ones, as large as hazel mits, unrounded by industrial, grayish tissue where the red and thickened Invacilia terminated. The lower labs was slightly engurged, and contained some semistransparets grannimons. The right long athered every where to the restal pleurs by dense cellular erembrane ; its minimit was infamted for the space of three melies, and presented four expansions, about the size of a cherry filled with greenish pas, and sarrounded by a fina greyish structure; this was inconsened by susumus white, semi-cartilaginess or collular septa, irregularly dumbated and exacting, when proved, a very small quantity of greyth fluid. The communicating branchia were of a bright red, and their nucum membrane thickened. The later labe was a links engaged, contained our or three rubereles, and some isolated portions of hapatized long, of the size of a out. The beynchial glands were grey and schuniques, not inherculated. Heart and norm, healthy.

Annough .- Storeach, raise as large as much reaching a little below the mubilious, and containing a large quantity of viscous graeos; its imag mentione was of a dark red color posteroidy, rather soft anteriody, where its color was instaral. The elliptical pateints of the small intestine were ulcurated in the lower sixth; on them, likewise, there were manufacts palarculous granulations, the softming of which seemed to have been the scence of the ulcerations; no other alternion of the mucous mombrane. In the assenting color there were six small greyith alterations ; the corresponding cellular aisate, rather thickened, and arre and there destroyed a houseen these alregations there were others still smaller. Throughout the whole of the large intening the Time membrane was a little softened and thickened. The mesentene glands were redfish and voluminous, not inherealisted. Solven, pale, and rearly twice its usual volume; the other viscers, healthy,

FORTY-THIRD OBSERVATION.

429. A caniser rocker, at. 42, short, of a feeble constitution, but smally enjoying good health, and little subject to cold, said that his chest had never been affected before the commencement of his possent illness. He had been ill five mouths, having reliaquished his occupations the last two, without horsever being confined to his bed. He was attacked, without any evident cause, by a rather violent cough, with alear expectoration. In the beginning of the fourth mouth this was combined with dyspiness and seute pains in the right side, requiring the application of beeches and a blitter. The expectoration had become very thick the last three weeks, and for ten days the

energis had much increased; the thirst was organ, the heat at night augmented, with expirate perspectation. The appetite had distributed from the first, and for towary days had remed altogether; considerable enactation the last two executs; he has never but rights, has applying a distribute.

January 4th, 1825 (the day after his administ), the fare Was pale, with mirked contriction and debeloy ; cough, rare; dyspecia, cirdenie; docabino, candde; speta, greenish, opaque, not straird; percussion, less clear un the right eide through help, exposually to the boson helf governorly and laterally, where it was completely that, responsely nomine, weak, mingled with a meone ride minly every where in the same side; tracked responsion and protectops; at the smooth of the right hard, it was been discuss on the left sole between the cloubler and reported eclipin. Voice, almost extinct the law you morning on past, or dryone, or hear, in the region of the larges or tracker. Pulse, small, weak, neederand a target, make, whitch in the percent mostly claiming, with himr mary answers a no third a religiorism, madde to premier account meets from such; there expend stook without cone the preceding evening. Patient is calin, and enters no complete. There was no similar change on the following days; the bayers and tractice were never prinful melithey were abenys mountain to external pressure. 10th, He complained of shall pain in the right relic of the chart. On the 13th, during the mash, he was attacked unblendy with a very sease paint in the left side, recompanied is an great annual new and dynames. In the movering the face was pale, and the expression altered; the guie was trader bee armir, watersteederable dysponis; decalifors, not very element; peremoting very coon cave the whole of the left sole. We emitted to perform association until after the visit, when the locabes

having been applied directly upon the painful spot, we were unable to finish our examination. He died the same day, at four, p. st., retaining perfect consciousness to the last.

Opening of the corpse forty hours after death.

Exymason. - Considerable americation. Nothing else remarkable.

HEAD. — A small spoonful of fluid in the literal ventricles; no other alternion.

News. — Epiglottis, natural. Numerous superficial ulcerations on the vocal coots, and for about three lines below three. Traches, every where of a bright red; its muccon membrane was entirely destroyed over its fleshy portion, with numerous small, rounded, superficial ulcerations, from one to two lines in classecer, in the rest of its extent; these existed also in the lessochis, being situated between the rings. The submucous timus corresponding to the large ulceration in the traches was generally thickened; in some points it was destroyed, which caused the part to be very uneven. Broachial glands, large and greyish, with some subreculous deposit; cervical glands, healthy.

THOREX. — Perennion of the left side, very clear attentely; the cavity was partly occupied by the lung (which adhered by its summit for about three inches), and by a quart of dirty-colored serom, containing memorous yellow albuminous fragments. A very soft false membrane invested the lower labe, at the upper part of which was an opening of two lines in dismeter, communicating with an excavation, about the size of a sart, level by the remains of toberculous matter, without any false membrane, and communicating with the bronchin. This lebe contained numerous groy, sumi-transparent granulations; the summit of the upper lobe was industed, with a large quantity of grey and blackish matter, in the center of which there was a subscribt about the size of a common sur; elsewhere there was a subscribt greyals matter, has some irregularly dispersed subscribe. The right large albered to the contal please by means all a firm false membrane two-lines thick inferiorly; the upper labe was almost entirely consumed into a grey, chimics, elimits relations, surrounding manerous dall white granulations; it presented at its assumit two excavations, about the rise of a rest, filled with a techid, redshift fluid and mattered into matteriors a incider carrier, with same grey granulations and regional position. Heart, healthy; matter irregularly alternated reduces in the acrts,

Annayer. - The paper long membrare presented a pink that is the prest rul-do-me, where it was extremely subment in some span; a way perfectly healthy near the preform, rather softened showlers, and partially alternated in some points of its larver bull. In the middle third of the anali interior there were moreous transversal obserations, three of when outsided the got; lower slows the elliptical patches were nearly all alternated, with distriction of the energoning metors numbered the infimum time was nout, thirkered, personing amornia study assistant in the same points; elecubere the outern mentions tracticately, In the according color there was our large alerration, with numerous smaller costs or the metern and resource and in its appendix. The lining ournbrane was softened in the lower half of the large extention; the other addresses wares were bealthy.

130. If we now place over the preceding observation, we

find that at a variably advanced period of phthisis, the parcets experienced, notbenly, in one side of the cheet, a violent pain numbly with extreme dysposes and interne auxiety, which were recooled by all the general symptoms of acute picurity; that these symptoms persisted anabated or with slight remissions to the tast, death following their appearance in trenty-four hours to thirty-right days (Ohe. 38, 40); that after death three was found a variable quantity of six, pas, or bloody-colored fluid in the side of the cheet where the pain had been felt, and also a performion of the beng from the opening of a tuberculous excuration into the pleural cavity.

431. The commutes of the symptoms with the start of the lengs after death is so striking, that the simple exposition of the facts is sufficient to shoer their amount dependence. The pain is comed by the passage of the tuberculous matter into the plants, while the dysparen and naxing are the effects of the more or less supid efficient at first of sir, and alternards of a variably composed fluid; so that whenever, in case of phthesis, a violent pain in one side of the chest shall come on subfeely, accompanied with dysparen, aexisty, and all the general symptoms of acute planting, we may conclude that perfection of the leng has taken place in the minute we have described. At least, it was by these symptoms that we diagnosticated with M. Chomol the accident in question, in the examples we have just denicled.

432. These symptoms are hesides so rational, that we might almost have assisted their presence a polosis; and from the analogy existing between the perforation of the small intenine and that of the longs, they might still more easily have been foresten. There is, in fact, in both cases at the instant of perforation, an effacien of initiality fluid on a surrous membrane; and, as saiden pain with all the symptoms of intense inflam-

mation occurs in con-case, we might cannally expect to find them in the other. But if this midden pair in a certain part of the abdoman, accompanied by the symptoms of internot peritoritis, in noticinal for the diagnostical perforation of the interiors, it is minural to express that the case would be the same in perforation of the long, and that a pain equally undden and severe in one of the order of thembest, conversed with extreme dysposes and with the other symptoms of planting, would be sufficient, especially in a postonical potent, to prove its existence.

433. Sudden dyspacra and matery, independently of point may also had us to suspect the presence of performers. Of this the following observation is a proof.

PORTY POURTH OBSERVATION.

A mount, at \$24, of a control form continuous, not admitted into the hospital of La Ciratio September 25th, 1824. She was subject to dominate of branch from for infrarey, was finds tiable to colds, and then may for a few days a find move had processors, and had not been in these mouths and a ball. Without my appropriate some the new attacked as first with rough and when experiences, which gradually became opaque and growths, right perfection, which gradually became opaque and growths, right perspections, and, since the third month, accepted beat in the evenings appears, a halo diminished a coming often occasioned by cough; from the first, a maximum one evident; no dambors.

September 20th. Pace, rather pale | remained deficity;

moderate emseiation; steep, often interrupted; pain in the left shoulder from the consequences, werse during the night than during the day, that is, when the account of cough were the most severe; spatis, greenish, opaque, not striated, surpounded by a very frichy mucus; percursion, nowhere very rhar; resonance of the voice and tracheal respiration under the left clavicle; pulse, rather quick; torque, whitish, and had not a very thick cost; hitter tame in the mouth; appetite, pretty good; digestion, easy; shelomen, yielding, without pain; occasional colic the last six weeks; dejections, infrequent.)

(Decortion of Jeeland moss; guns potion; two cups of milk; a quarter of the house allowance.)

From this period cutil death, which took place on the 1st of January, the excels was always very troublescent, espeeally during the night, when the patient was sometimes obliged to retain the sitting pusture to relieve the dyspusers. The passes in the shoulder did not increase; from Nov. 25th to the 28th they were very acute in the left side, without may isenesse of the despiner. At this period, percession was clear under the left clavicle, and we heard indictiset portorileasy both here and in the corresponding point preseriorly; lower down the respiration was coarse, mingled with a large, dry, propinning rife. December 21th. Distinct pretoilogsy and a gurgling were heard where the crepitation had existed previously; difficulty of breathing as before; decubitus hergonal. 26th. The dyspaces became, sublendy, very intense, without luxing been preceded or followed by pair is the chest. On the morning of the 27th, it was still orgest; the decubitus was elevated; the heat comiderable; pulse, rapid; face, injected; expression, animated; speech, harried; great anxiety; percurion of Ich side infinitely clearer than the right; the respiration in this part was confused and distant, and after

tyery pupiratory maximum there was a sound civiliar to what we profess by blasting into an empty hards. The elementer of five natures of blood probaced only a monomary relief. The next day the dysprops and arrively were beground; should she should be of sufficient to educate in association or percention during the foliation of days, and the primate expired during the night of the Mat, ofter expenses every gradetion of suffication, but brokent pair in the full side of the their. The spita stormed rapidly the manufaced form, were well-of small, although after the 26th of Desember, the patient's house was very field. It had an adve similar to that which arise from annual matter which has been married for one inc. From the compensation of the extreme despects the heat had encounted electrical, rigon care, right perspiration sample. The appetite gradually dimended, and from the Lit of December annually disappeared; the country, which consisted of fixed and mucos, yielded about the middle of November, after the our of Seltner water. For name days the epigacraton was diglitly switched, the thirst was nover organi. Disables come on in Ourobox ; during the flow pressay that it was county and incommunity, afterwards constant and espicus; favor, yellow, salt, without blood or mures. The present's spirits were preny good to the leg; she dreaded death, and summanly referred to the relijeet. Storalmays took the julip is the eyesing, with a peak of opions in the gum position during the day; her frield conmeed of eace water and the white decretion with canelle y the food was deminished with ascurrence of the Sandow and decreased approxim.

Opening of the curpus thirty-two hours after donk.

Extensor. - Comiderable concurrent

Hear, — Some miliary arachnoidean granulations in groups, adherent to the data mater, brain, very firm; cortical substance externely pale; two small appoints of fluid in each lateral ventricle, rather loss in the inferior occipital fases; co-cephalon, otherwise healthy.

No. 1. — Larynx and speglottic, actural; tracken, of author a deep sud, with two small ulcorations.

Toonax. - Left borg, afferent over its upper three fifths. by means of a very dense false membrane; it was alsowhere free, and invested with a reddish soft membrane, prolonged over the displaym and ribs, from which it was reparated by a space which was partly occupied by a reddish, turbid fluid, which was similar, except in density, to what we find in tabercular excavations. Immediately latter the adhesions there was an opening of five hows to diameter in the lower lobe, communicating with a carrier which exceeded upwards into the interlabular figure. The exceptation was fined by rellowish tuberculous fragments, traversed by numerous bands of about a line thick, composed of a very dark, greyish, semitransporent robusinee, in which no viscular ramifications could be traced; several must excepations communicated with the one described; a very small person of the lobe was permeable to the sir; at the summer of the upper labe there was a similar and still larger excavation; the remainder of the labopresented menerous small carrière communicating together, with a black's begrey substance in their incurvals, so that it was nearly whally inexpulse of respiration. The right long offered inferiorly some adhesions, and in in upper lobe namerous softened tuburnious masses, the largest of which were in the centre; these were less numerous in the lower labe, which was engarged in many points, and firm without hepatigation in the remainder of its extent. The broachia were rather red

on both large, and extensively communicated with the excuvations; the branchist glands were prepirls, relaminess, not subsroulated. Hours, rather small; annue, healthy.

Announce. - A quart of clear fluid in the puritureal ravity. The someth contained more viscid money; and in the control of the great end-do-sac, for as large a space as the palm of the bond, the submercore would were uncle distracted, and the lining membrane will as much over one half of this spring; it was allowhere healthy. The alliquical patches in the lower filth of the small interests were thicker than natural, resuly all more or less alterated; these absent over named at rough, awing in the dickening and interpreton of the subructor tosur; in the intervals there were numerous yellowish grandstions, many of which were ultreated; the mouse membrane in the other pursues was healthy. Some small absentions in the treous; long autobrane of the large intraine, pare, every whem thicker the natural; rather solved in the arcending rollin, and elicentum and firmer than reaches a table waterus boyer, white, speaper, and there times as thick as mendin the same parts. Mescateric glands, red, and voluminous, not toberculated; the messeste, small and healthy ; liver, faity; file in the gall-bladder, natural, spleen, twice its usual relane; the other success were bealing,

\$24. Noneithermolog the above of point, we did not heartime above the extension of perforation of the longs, when the patient rold or of the redden accession of the dyspects and anxiety. However, the diagnosis here, or in the processing cases, was assessed and conferred by suscellation and presention; for an percention of the suffering side shortly after the manuscrement of the approxima, pair (was there my pair?) and anxiety, there was a very clear mand produced, as we 403

strendy know, and this sound new closver than that produced by permission of the opposite side. The our, when applied to the most concross part, was muchle to detect any respiration, or at least it was board as if from a distance, for a short time only, very seldom, and is a very confused master. This treafold phenomenon indicates, as Lacrosce has stated, the presence of a certain quantity of air between the costal plears and the lumps, and as presumosthorax is one of the immediate effects of perforation of the luner, we must necessarily be induced to believe that the presumosthorax man the result of it in the present was. But one readily conceives that in the absence of the symptoms we have normicously, the presumosthorax would have been much less valuable relative to the point we are examining, time it may true from other causes than perforation of the large.

435 Scorer or later a certain quantity of per-or pumicut fluid was conjoined to the presence of a gas, and when this was the case the metallic tinking was produced by the impiration, expenden, or spenking. This, however, depended on the communication of the pleural muity with the househin (as in Oto, 38, 40, &c.); in these cases assertiation in showing that metallic tickling exists, and personaiso arosoneing the presence of a certain quartery of air in the cavity of the pleura. proved, independently of other symptoms, that perfention had existed. But, as the render may have observed, this combination of circumstances does not always take place (Obs. 39); for semetimes toberestous extition, when approed into the pleurs, do not communicate with the broughin, and then there is no mendic tinkling. This may also be the case when the offmion of air is not accompanied by a fluid, or when the latter is too scanty. Asseultation cannot, therefore, detect perforation in any case until some time after its occurrence; and in those

instances where no communication with the pleased eavity exins, the diagnosis deprods satisfy on the color symptoms.

- 436. The quantity of fluid personney for the production of the metaltic tinking, does not soom to be very considerable, since we have bound it (Olio, 41), when personnian detected an didness of usual. On the other hand, a large nonlation of fluid did not appear to interfere with as presence (Olio, 35).
- 437. The error precising observations, including another which we have thought it monocessary to detail, and the only examples we have est with; and in all, the emissal symptoms, independently of moralitation and porcession, were minimal for the diagrams of the boilen. This count, however, not to be always the case; for in the above examples related by Lemmer, in his important work on association (Obs. 31, 39, 41), these symptoms do not appear to have been persent. When this is the case, nothing would lead us to detect its existence, and if the discovery were made it would be by accident, as it were, by association and personics, and this could happen only when there is a resonantication existing with the broachia, for their above is shown metallic righting.
- 43%. Percentian and assentation would also be the only means of diagranis we should have of perturation of the langif the symptoms were but skyldly nucked, more they would induse a precent-closes, of which performing of the lang is incomparably the most frequent cause.
- 439. There were more entitioned the pair important to be noticed. Assure, is observances there-eight, thirty-nine, furty, and there-ewe, it was much less segme in the orders, though from as inclusioned, the accompanying dysposius, or the medification in the physical condition of the cheer, it did not conse

to be important for the diagnosis. We have, in fact, seen in observation forer-one, that at the moment the pain cause on, and a short time before, the patient thought she perceived the disculation of a gay in the left wide of the cheer; a sessarion which continued some time, and which was doubtless produced by the passage of the sir into the corresponding cavity. Instend of being corporated as the dight contitions in the pain, we ought imber to worder they were not more considerable; it was equally acute in observations thiny-nine and forty-mo, as in the others, and in how these instances it was enused by the passage of the contrats of a very small receivation into the pleural cavity, which did not communicate with the brooclin, whilst in the others the excavation was considerable, and comannicated with the broodless. Lastly, the pain was about in one case (Obs. 41), in which the perfection was large, the cavity extensive, and the quantity of the effined inititing matter doubtless very great.

440. The dyapous and auxitity, except in observation forty-one, were very urgant, and in this exceptional case, the alightest movement postured a tembercy to systops. This example was also interesting, an account of the decobitus on the right side with the head low, while the majority of the other patients certained the sitting porture.

441. It is also worth observing, that nowithstanding so great and sudden an obstacle to the eieculation, the face was generally of its natural polentes; a fact, however, which must not be regarded as extracedimity, since we frequently observe patients exceedingly jobs when the dyspines is extreme; as for instance, in great difunction of the beaut, and even in some cases where the right and left cavities communicate.

442. The time stapping from the assessed of perforation to the fatal remination, must also be noticed. Death, in fact

took place in sixteen, twenty-four, thirty-rix, and myrmy-men hours, als, twenty, and thirty-six skys, from the migro of the first symptoms; the even of these differences it is not care to explain. We stay in tain seek it so the relative strangth of the judgets; for the female who was the soliect of observation thirty-nine, and who deed after revenue-two beams, was apparently as siming as the petions of the there-nightly observator, who corried there are days. We count refer it either to the difference is treatment, the latter latting remained during the three days following the performen, in his ownhouse, suffering arms pain, minimum my number being appirel. The emilion in the end of the excutations, or the quantity of the fluid which escaped into the pleand cavity, also fed to allord may assistance in the fractory, but rather inorcase our difficulty. for where patients died from there-six to recenty-two hours after the recident, the energy was very small, not communicating with the broselin, and moreously discharging only a small quantity of artitus item the pleura. We insist on these details, because it is important that the plays sicing should be assure, that in comin complication, moral in their assure, the field treationing may take place some bounor some rearly after their invation, without his being able to anticipate or explain than differences.

443. In fact of our cases the perferation occurred at the same point, via., opposite the angle of the third or fourth ribs. This fact is interesting, both from its correspondence with the cent of the pain in the communications, and because it is doubt-less dependent upon the progressive development of tobercless from these elements of the progressive development of tobercless from these elements of the sight cases, seven more on the left tobe others we have already now that the observation affection was rather more frequent and further advanced than on the right. We have only

found a single perforation in the same lang; but in many cases (Obs. 41), show were numerous yellow and white spots, corresponding to nonzered indeeder; these were only separated from the plears by an extremely thin layer, and they needed on the point of opening into the plearal cavity. If we consider the frequency of this disposition, we may be marprised that perforation is not more common; this is doubtless to be starilized to the adhesions which almost invariably take place. For the summit of the lung, where the sides of the excavations are often solely farmed by the false semi-cartilaginous membrane, this is evident; occasionally also the teher-calous matter is immediately in contact with the ribs, and in some cases, traveness the intercental numbers. In these examples had there been no adhesions, it would have meaped into the plearal cavity.

444. We must also notice the regidity with which the efficient of turbed or imprinces fleid may occasionally be formed. It was considerable in characteristic farty, where death took place is twenty-four bours after the perfection, although percussion during the first twelve hours was clear over the whole side of the chest. In this case then the efficient took place in less than twelve hours. In observation forty-one, in which the sensor efficient did not occur, at feast in any remiderable quantity, until a long time after the perfection, the progress was equally rapid. These facts are, however, strictly in accordance with what we observe in simple plearity, and more especially in the care of hydroceic by injection, when a considerable efficient of parallent fluid is formed in the tunion vaginals in a few hours.

445. In cases where death occurred exenty-four beam after the perforation, there was also a soft false membrane,

probably organized, every where investing the hing and pleases.

446. We shall pass ever many other circumstances in these observations calculated so arrest our attention, only remarking that the quantity of fluid in the correlact contrictes, as in the sames of suiden death, was very small; this consideration the modern obstacle to the camelation, prolonged in more course during several days, the minious normbranes were not widely than whose the camelation was much been improbed; this course to prove that, to produce concentrate of the minimum transfer and minious membranes, the ampediatent to the circulation must be accepted a long time. Lamp, we will observe, thus services used to include the include on the minimum, we demand our questions reduce to the matter of the transfer, we demand no symptom calculated to make in suspect the presence of the immesse ulcernation discovered after doubt.

447. The cases detailed in this obspire are relative in individuals in where plathin had united from six to sixuous months, and whose again varied from swenty-fine to firry-fire years. Additional observation will determine whether purforation of the long takes place in very element cases, and in old people; for as yet the purpose of firsts is much too meansiderable to justify any conclusions on the tot-jets.

CHAPTER X.

SUDDEN DEATHS.

448. We have already even how many causes, foreign to the scatteres of talencles in the large, accelerate the fatal termination in cases of phthics; but show are instances where death occurs still more suchlealy and unexpectedly. Sometime the appearances after death mem to offer some explanation, while is others the most rigorous importion of all the organs is not attended with any satisfactory results. The following observations are proofs of both these assertions.

ARTICLE I.

PLACEMENT BY THE STATE OF THE ORIGINAL APTER PRACTIC.

FORTS-FIFTH OBSERVATION.

449. A counserry, et. 22, short, obliged to leave a military life on account of his feeble constitution, four years ill, was admired into the hospital of La Chambi, April 10th, 1823. His illness had commenced with a slight ecoph and expectoration; these had since continued, and for the last seven months had been very trueblescene, since which they had been associated with dyspoora, shilly rigon and night perspirations. During

the last three days of Much he had experienced a rather aron pain to the belt tide of the chest, with refreshed desprove. For the last year his appetite tend diminished, and there had been hopout amounts, with some of approximain the epignature; his enough had much distributed; no dianlura ser beautypyds. 11th. Face, natural , slight mosriation y dight aphysottic apprentum. Cough, frequencylaring the night; quite, granish, quipe, reged, and renounted by a highly that. Percusian, very closure at the superforant external position of the right part of the about, alear every where the presenting minimum natural on the hell a tracked hitder Horight clavicle, with a realest fine expension toronds the center of the came side, both more only and posteriorly. Police, regular, not frequent; tongue, ment, villian in the runtle mitural on the olympico's talk-appariate, stocks, rate; abdonce, not painful. The potient complemed of meaning but night opiganne operations.

(Divinction of Incland many; judge; one eighth of the house allowance.)

got. The dalact of sound in the right ride asserted a larger space) supposite, improved; the police may able to take a questive of the house allowards whitest apprecion at the egigastrian; stock, regular; as proportion.

(Blinter to the ught one of the viert.)

On the following days, worse pain in the chronic on appetion; increased heat; and on his with my remarked a slight emption of red spets, not elevated, extending area the whole healy a designamentars in score positive the pain of the threat had eessed for two days; the rounts and pluryay were not. and; pulse, faller and quicker than usual, with some increase of dyspress; the superxis penisors, and the true's excited occasional samura. 21th. No mor of scuption; pulse, fall,

one landred; respiration, accidented. The patient complained of a pain acur the edge of the left ribs, which he had felt three days; percussion of the same side of the chest was every where clear, and respiration natural; on the right side to-charge since the last report. Expectoration, as before; torgue, natural; one moderately firm shock. The next day, 25th, the herathing not appearing more affected than usual, use did not examine the patient. In the exerting he was sitting up in the leed at the time supper was being distributed, and asked for food; a few minutes abrevards he expired without any strongling, his companions having preceived be was not quite so well as usual half as hour only previously.

Opening of the corpse to may hours after death.

Execution: - Mostalar system well developed; slight emanation; some vilices, in the extremities clicitly.

Hear. — Numerous incorations of the dom mater, giving pureage to the amplitude and granulations; secolarl reins, fintended with blood; considerable injection of the brain and corclethus. Torce small spromful of strong in the lateral contribute.

Nece. — Larynx, naveral. For an inch and a half below the cords vocales, the fixing numbers of the trackes was sed and thickened; below this it was beatthy, then again of a bright sed, two inches above the bifurcation; this reduces extended into the broachia, especially on the right side.

Thronax. — The right long was adherent to the contail plears, inferiorly by means of cellular prolongations, and supernody by a false semi-cavilaginous membrane, from one to three lone chick, and which, by being prolonged over the interlobular plears, committed the greater proportion of the sides of a vast excavation, occupying the summit of the upper halo, and communicating with smaller cavities. The storetime of the membrane was not underty one pure was of a pearly color, the carrings | mether was yellowink, the the intervented by exempt | meeters and there were more position of gray, moistreespecial common gray production. The left has superiorly, where allowed, autorizons, forcer ofrively than superiorly, where allowed, autorizons, forcer ofrively than superiorly, where there were some last emptied excurations, and gray, according percent production. To the two lower shirts by the necision, rather generalized, promoferced and a certain quantity of gray to miled body, shoots without are. There, makes voluntaries, but healthy.

Amount,—The remain control of molecus quantity of turbid fleid; its causes members presented one dish body ing stripes, was a limb solution in the gent calculate, and bearing in the remainder of or current; thenbrown, amount; many objected patches of the small patentia, and and more or best alcorated; the large attention matched much marrie, with very bittle treat mater, and procured as the perioding color some small alcoration, iron total and remaining in the restrict of the greates monter; the marries members was the bound, and described second their edges, but every where who actual. Many of the members glands were rather red and reluminance, the other covers of the abdustic were brighty.

130. The right long and a grown properties of the left were inexpuble of respiration; the left long was becomed, and the rapidity with which this had taken place explains the patient's unifier and unforcesees death. Thirty-six lower before death,

the left side was every where clear on percussion, and the sespiration seemed natural), so that, in this period of time, the whole, or least the groater part of this long, had passed from a state of health to the second degree of inflammation, a fact by no recast extraordinary, since we have observed it toveral times under other circumstances. It may be conjectured, four the existence of the pain experienced by the putient four days before death, that there was then some nucleus of inflamountion in the substance of the lung, and that this was the case, is rather probable; but this supposition sloes out interfere with the conclusion, that the greater part of the hepatization had taken place in a very short time; perhaps in twentyfour hours. But how do we recoucile the existence of such feeble symptoms with so rapid us alteration of an important. organ? How explain the sudden and unformers approach of death? We confess our incompetency to give any natisfactory. singer to these questions.

451. Among other interesting circumstances attending this observation, we must mention the possiliar and compound nature of the meralizate inventing the number of the right hang, and the almost healthy state of the gastric mescous mentioner, although the decongement of the digentive functions long proceeded the patient's death.

FORTY-SIXTH OBSERVATION.

452. A senvayer, at 32, and ill sixteen months, entered La Charite, April 15th, 1822. He was short, diminutire, and very subject to colds both before and subsequently to a pleasing, which attacked him at the age of twenty-live years; he attributed his person disease to expected expense to cold in a primery during the nonter of 1920 and 1921. Succeeding period he had complete, and one hable to many dyspozia; experioration did not commence and more margin after the cough began, at the end of which period, the magnition also commenced, and about three margin afterwards night proposations cause on and had continued regularly a finally, thring the last them were then had been diseases and now threat; he had server had have payous.

April 10th. Expression, analy natural proofs, infrequent during the day, traditional at legist, expectation, greenthy apartie, not unusual permanent of the chest, every where clear; antiferable measures of the vote under the classclear; indictors particularyly streets the votebast column and right scapital; trace, bushy, sends as it had been the last two mounts; on pure in the region of the largue; pubur, frequent, fall; best, no decrees; no more the test eight days; amorexia; threat, proofel; due edge of the volum and plazryne, red; degletions, easy; no pain in the opigatetion; four liquid stools the last enesty-from bears.

(Deposition of Iceland most; gum-poister; quarter of the facuse allocance.)

20th. Aphonia, sense of heat and prickings in the largest; when and pharyes as before; deplatition, difficult; three liquid stools; copious perspiration.

(Twelve leaches to the name; blister to the nock; infinion of violate with pass syrup; goes potion.)

May 10th. Aphonia continuer; print in the larger less sente; liquids occasionally estumed by the none; no pain in neck; under the right clavide and in the corresponding point posteriorly, a course sty rife, and whosever the patient spoke the accented to enter the nothoscope; some of the sputa trere mut-colored; the polic was only nightly accelerated; heat, moderate; torane, natural; very little appetite; abdomen, not painful; signi diambers.

On the two following days no sensible change took place, nor was there may on the 13th; on the same day, two hours after the vaid, the patient was found dead. A grow potion, with syrup of poppier, and three rice curams had been prescribed in the merning.

Opining of the corpor twenty-three hours after death.

Expensor. - Nothing remarkable.

Hears, — A little serious fluid in the upper part of the arachnoid; a spoosful in each lateral remarkle's slight injection of the cembral substance.

Need.—The copes of the glotte were infiltrated, rather more on the right side than the left, in the latter of which they were a line and a tail thick; the bring membrane of the largex was pule and not altered. Immediately below the cords recales, were two altereds of three lines in diameter; and two moles above the bifurcation of three lines in diameter; and two moles above the bifurcation of the tracken, on the fleshy portion there was another alternation of four lines wide, by eight in length; the intervening mucous numbrane was healthy.

Throway. — Cellular adhesions over the whole of the right long; a very large recovation at its control, fixed by a double take membrane, of which the laternal layer by either on healthy politomary times, or an white, yellowish, or grey granulations, which more numerous in the remainder of the lung. The minute of the left lung was partially adherent, and contained some small excusations. In the remainder of its extent there were three somes formed of grey, semi-temporent matter, about an inch thick, and separated by layers of pul-

memory times of nearly the same dimension, and digitals and graged. This grey whittened was interspensed with somerous whech or yellowsh mility granilations. Here and men, bealthy

Aumorga, - Living merolippe of the coursels of a dight richt roler in the great rad-down the other name healthy; That of the small mission promised must brought and spots, and in the lower fifth removator relocations, generally extending to the mundle layer. The mucou, mentions of the large become near and in the demonstrate volume, was these moderately conditionname in the right and paterties when, Liver, rather engaged with blood , the other vesses of the alaboses were healthy.

463. If we alree over the same of the principal vicers we have described, we see in the basin on officion of separaing the harm's ventricles, much bey considerable than its many cases where no periodic recommunes annulal death, so that it remost here be exmissioned a manual the foul treminution; the stree of the burge and not prevent their runtioning respection for a considerable time. We may make the same postark to to the thironizal viscers, so that solding in the condition of these organs explains the exact of death. The state of the glotte remains to be examined. It will, perhaps, be thought that the ordered was not ordinized to product ordingation, and in proof of this operors it may be said that we have not invariantly my processors of dyspoor which characterists this lesion. To this we will muly by the relation of a fact which we observed more months promisely; it julies to a young man americal with system flower, and who died from violent ambiention, accompanied with a whoming impiration; these symptoms came on only two-hours before death

and we afterwards found the ordered of the glottle, and of the same extent as in the case before as. It is possible then that in the two hours slapping between the visit and the pation's death, something very analogous had taken place in the present income; that this really was the case, cannot however be accomissed.

Not initizing larger on a doubtful supportion, we will observe that we have collected two other observations of ardema of the glottle in philosoid parious, here marked than in the provent case, and from the frequency of the electricists of the epiglotis and larges, it is engular that our nameples are not more terrorom. (Edema, however, is not usually strendard on electrations in the injections, stomach, for, of phthicial patients, which seems to indicate that the cause of the obsention is enjoyby local, and that it does not influence the surrounding timess.

The deposition of the grey matter, in the form of zones in the left long, is a rare automical fact.

ARTICLE IL

SERVED SEATED WHERE AND NOT ACCOUNTED THE RY THE PARTY DOUBLE APPLICATION.

FORTY-SEVENTH OBSERVATION.

454. A sour-stress, et. 23, of a perty atong commution, and availly sujpying good health, not liable to colds, and having never been seriously if, canned the hospital of La Charist, June, 23th, 1823. She had coughed uninterruptedly the last five motals; and during the first two had not expectorated; dyspansa had come on at the same time; there had been so beautypis, pains in the class, our rigors, daughthous the first star had been very search to cold, and for the last two months had had night perspection. For the same period for appetite had been much diminished, and every thing but weap coused unemines in the epigendum, aftered had been some distribute and rapid monotonian. State Expersion, rather lively; incombinable detaility; compt, frequent at sight; spata, greenish, opaque, ragged, immersed in saliva and rines moran; some stypum; intil sound as particular and rines moran; some stypum; intil sound as particular performancy and tracked requirementally point posteriority. Pulse, maker spack; utilit purpliminar; unique, videas, which have mora in the month, very only appearing statement, yearing, morant pain; three liquid made, with scabbers.

July 3d. Permitting on with thin himsen the shoulders; complexion, flood; expectation, animated; pube, and externion, small, and firstless; prosperation and degesters functions as before. Ath. The potent wished in the garden, and was to excellent spirits. The text day, at long it was after returning to but had from the might stook, the deal subdenly, to the great surprise of her manganisms, with when she had just been conversing.

Opening of the corps: thirty acress hours after death.

Execution. — Considerable emission, with numerous whices over the whole surface.

Hexo. — Very slight sets-mathemation interestion; brain, nother spotted with blood; those small spectrafed of clear serior in the lateral cosmicles, and an equal quantity in the lower occipital form.

NECK. - Larynx, natural: lower part of the tracing of a

bright red; remessors telescolated exertical glassle on the left side.

Causer. — Collake adhesions over the summit of the longs; some excursations in the same regions, ration larger on the left than on the right side, lived by a thick and fine false sumbtane, surrounded by grey, sunsi-transparent numer, interspend with yellowith submeles, forming an informated proton in the summit of each long, about two inches and a half in height. There ture closed true numerous grey, sumistransparent granulations. The broatlin were dilated without being thickened in the upper half of the left long; the lymphatic glands around their principal divisions, and the tracture were somewhat tubercolated. Heart, rather soft, and contained to blood; norts, every where red.

Assours. — Storach, of reclerate volume, and free from bile; querus membrane, of a livid color about the capita and over a considerable portion of the great cal-do-sac, where it was also a finite referred; elsewhere it was healthy. The mucous membrane of that part of the small inostine which rested in the polyie was red, but of normal consistence and thickness without alcomtion; near the cacum more crade subspoulant granulations, about the time the cacum more crade subspoulant granulations, about the time tightly referred and thickness, with some ulcontinum in the transverse volum. Lives, and and a linke engaged in the right lobe; bile of the gall-bladder somewhat viscous, of a multigrapy color; the other viscous of the abdomes more healthy.

455. The affection of the brage was undoubtedly considerable; but they were still in the greater part of their extent capable of respiration, and some minutes before death the respiration went on regularly. Between this moment and that

in which death suddenly took place, no appreciable charge recorned in the organi. They connot then explain the cause of death. Can we compare the timers to the muscles of becomes mercular that in certain instances they suddenly become mercular of combining their functions from a sense of futigue?

456. The morbid attentions of the other voices were too inconsiderable to arrest our attention. The north was red, but we are as yet ignorant of the real rates of the sign, and before explaining any phenomenor by it, we must be not value.

FORTY-EIGHTH ORSURVATION.

A worse, et. 60, entered the hospital of La Claris, July 14th, 1923, of a thone constitution, usually enjoying excellent health, seldom majort to roots, and now ill the last seven months. During the first ris, weeks the experienced general anothiness, with some of westures, and considerable diminution of appenie; after this she had cough with expretoration; during the three last mostles dyspoors, pain in the right side of the elsest, and universal fluctions, which much incommoded for ; these symptoms continued, with some elight improvement in the appetiae; three had been no lanusptyris, tiantion, colie or rigora. Toth, Facu, puls, this; considerable general weakness; sleep, tranquil; sense of opposition referred to the opigamic region; listle cough; muta, rapped, greenish, opaque; sound, shill, with tracked respiration and pectonlogny under the right clavicia, and posteriorly in the composiding point; doubtful pertorilogue on the left side; clien here the respiratory marrier may rather load, and accompuried with a scoorous rile; occasional pair in the right side; pulse, rapid; toughe, clean and moist, rather red; little appetite; no pair in any part of the abdomen, except we conplayed strong pressure; basels, regular; some arder urine.

(Decerion of Iceland uses): gain points | a quarter of the house allowance; a cup of the common mine.)

On the following days some mercane of the appetite; no rigors not distribute; the patient spent such of her time in walking. 25th. She did not appear worse than assul; she walked out during the day. In the evening the face became rather livid, but she slept tranquilty; at midnight she awake, complained of suffication, and at one, s. s., was found dead. For the last two days she had complained of narrow and disputs for food.

Opening of the corpue thirty hours after death.

Extrame. — Sight orders of the whale of the right lower extractly; some visites in the man region; truth wrist persented no electration.

Hear.—The dara mater was unified for about a square inch to surface, near the posterior portion of the fide; considerable infliration of the sub-arreducidess tissue; the choroid plexus was conserved into resides containing a serous fluid, of which some existed in the cavity of the ventricles; cerebral subnance, slightly injected.

Naca. - Laryax, traches and epigloitis, mural.

Thouax. — The upper half of the right long was adherent to the coral plane; a large excusation communicating with arrend smaller news, occupied the summit; they were all surrounded by the gray, semi-transparent substance which was intempered with new cross inherent; no part of this portion of the large was healthy. The remainder offered numerous

grey, yellowish granulations, and was diglotly mestered. Of the left hug shore were some examilerable adherens, welltuberedour excavations in its ages; the base was also alightly ougorged. Hears, would and healthy a sonia, large, with now merous yellow patches as its surface, and the cultified in in parieter.

Annough, - A great number of univery, semi-stranguests grandation, developed in a very thir, celtain falsi members. covering the small intestine and ascendery. Somath, rather connected; links membron and and softward over half the great cal-desur, greyals colored and healthy abrochure-Some middle-sized absentions in the lower five two of the small intesting, presenting some prhesention grandition on their surface, with lare and there denotheres of the emerclar cost; every where she the mucos municipal was mound. That of the large arrestine was softened in its right evico, bouldly in the rest of its expect, except immediately along the anot, where there were three soull observation. Moreover glouds, paneral; liver, small, risk, and easily broken dome, surelynsmall calculi with painted sorferes, and more very dark hilain the gall-bladder. Splern, much softmed, of usual values, easily remared to a reticulated teature; historyy, red; murrous membrase of the blabler, injected. A small filming budy, embedded in the otens, which was of a pale pink rolor.

457. The same of the unales death is test-soor apporent in this than in the potenting instance, and the same reflections are at a arest strainte applicable to both. One of the large was nill premiable to air throughout in greater part; the lesion of the common was about, and of moderno extent; the nions of the small intentive were slight; the miscons membrane of the colon had only a lamined softening, The morbid alterations were, in fact, much less extensive than in many cases when the approach of death was slow, and precoded by a long strangle. We do not speak of the slight congestion of the langs, the hidrarys, liver, incentine, and of the
muccus membrane of the bladder; for these lations were probably the effect and not the range of the kind of shath of
which we are now speaking, and may to a certain extent be
compared to the vibres found on the skin. We shall not,
tracenver, stop to numion further the reduces and slight degree of softening of a part of the mucous membrane of the
stomach, which is probably a recent lesion, and which corresponded periops to the disjust for food experienced by the
patient two days before death, and which was too slight in
degree to be of much importance in the explanation of the
death of the patient.

458. We have, in a former part of this work (Ohn. 7), related a case in which death was equally sudden, and in which all the viscous were extensively modified. In this case we are surprised that life should have been so prolonged, and that should have taken place without its annal productions. In a fourth example, similar to the preceding, and relating to a moment, aged thirty-rix, the progress of the disease was rapid, and death occurred at a moment when the greater portion of the large was permemble to the air, the alternation in the storageh and small intuitive inconsiderable, the brain bealthy, and the measuration more advanced than in the eases we have just minori. It is nemarkable, in fact, that in none of those but patients was the emaciation very considerable.

We must also point out two peculiarities, summon to nearly all the observations in question, and not present in cases of phthisis when the approach of death has been gradual, viz.,

the cockycames and the understa affected of Boil into the laseral remercies. These use approvement on the presenting other instances of sudden death, when it occurs doing conce-Invente, or under other co-motation, without any important alteration of the vocera (203).

459. We shall seminate on records on cause of nobles. death by relating two multiplus observations, in which there was a remodable enformer of the whole conduct volumer.

FORTY-NINTH DESERVATION.

As old-clother-seller, etc. 54, et a lymplerie and magnineous temperament, subject to difficulty of breathing from his infiney, and to cough and experiention the last min were, was admitted into La Chanté, April 9th, 1821. Prop the commencement of the latter period. he had experienced paint between the sheathers, also in the epigantian and under the false ribs; with these jumilies was associated eight or nise times during the first eleven atombie; it had not more empressed, and he had only experiment, assertional epigamic paras, and with these his appointe but communded. He also stated that antener to the cough got experiention, he had been liable for thirty years to apoplishic solution, characterised by sublenless of arright in the limbs, flustuage of the few and vertigo, all of which rapidly daupysound. He had sover but his spescionorse, and these attacks, which in the beginning had been rare, had gradually become more frequent, returning every. two or three works, and followed doing the six mostles preceding the cough by weakness and numbers in one or the

other side of the body, doing half an hour or an hour, after which they entirely disappeared. (8th. Face, pale and thin; on humbris; on pains in the limbs; speaks rather humbris; herating, needented; cough, rare; speta, flat, green seet opaque; on the left side americally, percussion was very obscure; there was a day ride with exome origination, but no perconloque; on the right side, respiration seemed natural. Pulso, would not usual, eighty-four; signs for the last three seeks, removing regularly at ten, a, m., followed by best and perspiration, but they had not occurred the day before his entrance into the hospital. Tengue, moist, not red; mouth, rather claiming; scarcely any appeare; no thirst; abbones, not poinful; no distribute.

(Rice water; gum syrup; blister to the left side of the chest; there rice creater; two stups.)

In the following days, no avoient change either in the exertings, of the esculation or conjuration; some heat in the evenings, without previous rigors or constraints perspirations; alight distributes. 19th, in the marriage, the patient experienced an energiest for which to could not account; the following alight there was slight delicitus. 20th. Daying the triat, considerable stupor; interiors, usually gone; pupils, much contracted; atterance, embarranced; motions of both sides free; tougue, moist, not deviated; pulse, one handred and thirty; respiration, very slow. These symptoms purious until ten, p. 26., when he expired.

Opening of the corpor thirty-four hours after death,

Expressure - Nothing remarkable.

Hann. —Several becomions of the dora natter giving passage to granulations springing from its luminar. Slight infiltration of the sub-arachnoidean tissue; brain, pule, moist, and of

about the continence of that of the form of als or eight months; there was a specific and a half of clear fluid in each lateral ventricle, and a much smaller quantity in the lower occipital force. The inter annuluse and the corebellum trere nearly as soft as the cerebratia.

Ngos. —Larynz, neural; success membrane of the trackes, of a virid red over its fleshy portion.

CHEST, - Dears adherons over the summit of the right long, by means of a work-mile, inser files roundware, from ope to two lines thick. A way excavation in the same region romounded by inheretes and the grey, armistramporant substates, which almost rutinly mespied the remainder of the upper libe. In the intervals harrown the larger names of grey matter there was a formignation firm indicance, very much mentaling the july from well, and presenting in detached prints a slightly granulated appearance. The lower Who creatived is few subsectes and was slightly regarged. There were some adhesion over the sound of the left long, thrupper labe of which, except that it did not contain any exexestions, was rather hard, and wer otherwise affected as the right war. In the loft long the broachis of the apper lide were very red and ilitelessed; thus now this sad of a pink colorin the right lung.

Announce, — When removing the anterior potents of the abdomen, we becomed the gall-bladder, which was slowly addining to them. It extended an inch and a half below the false rite, and contained two landered calcule, varying in size from a pera-to-that of a millet seed; its liming membrane was destroyed over an inch-square corresponding to the adhation, an also over a member space near the nack. These observations teem-of as if produced by some instrument. The nuclear membrane was absorber firm, about half a line thick, and seemed

formed by immunerable intersecting fibres, giving it in miniature the appearance of the urmary bladder, when the muscular cost is somewhat (bickened | the submucous layer was thickened, and that forming the hottom of the alterations very hintle. The cristic doct was very narrow near its junction with the hepatit, and contained several calculi. The ductus elialedgeus was hashiny. Liver, sploen, panersus and kinneys were natural. Some tuberculous granulations in the resal espudes. Mucous aurahams of the suspect, of a pinkishgrey tint, nearly every where mamiliated, being thicker in these persons than alsowhere; near the pylorus it was destroyed over a very small surface. Some of the elliptical patches of the small intraine were alcerated. Lining membrane of the colon thick and softened, with numerous small alcorations becoming rares from above downwards, Mesenteric glands, healthy,

460. Here, as in the two preceding observations, the cause of the sudden death remains unexplained. We shall not attempt to attribute it to the referred condition of the brain, for we are quite ignorant what degree of finances is necessary for the support of life; we may, however, observe that we cannot pay too much attention to all alterations in the consistence of our organs. The remarkless of MM. Busine and Lallemand have thrown much light on the partial softening of the brain; it remains to be shown when a general softening of this organ, always cardy recognized by show accustomed to pathological researches, may be regarded as a morbid condition; it is far the purpose of assisting in the solution of this question that we detail the following observation, which is also an example of latent subcrolos.

461. The condition of the train was not the only pemarka-

blo elementance in the fact before in; the extensive maniflated state of the gastric miscous membrane, in thickening, over the same part, and lose of substance near the pylonis, are not without interest if we compare them with the symptoms persont during the true years purceding death; that is, pains in the epigrapium and dismindred appetite. Those are indeed the symptoms of chronic gamins, and may in common with the maniflated same, have resulted from it, though the presence of other complications resulter our conclusions less positive. Let us also notice the relation existing between the biliary calculi, the thickened and alcorated state of the gallbladder, the pains under the short ribs, and lendy, the joundier, which occurred several times in the course of the same year.

PIRTIETH OBSERVATION.

468. A coos, et. 48, of mildle stature, molerne culturpoint, great semilility, bud always enjoyed good health presions to her persent illness. The entamenia, which first appeared in her eighteenth year, were impressed at the age of thirty; their usual period was every six needs, they were always scanty, and only of some boars domains. There years before her admission into the horpital she suffered much mental maximy from being unjustly deprived of her unsuga, and was sandenly seized with hos of sensation and of motion, but her intellectual faredries were not affected. Wishing to die, she refused all treatment, and continued in this condition about two months. She was then attacked by pairs in the limbs,

and soon afterwards by some convolsive movements in the hands and feet. The progress of the disease was very gradual, and wight months elapsed before the patient could resume her occonstions. She communed in good health during the succreding six months, when she was attacked, without evident cause, by eresipelas in the left leg. An empiric made her anxious about the consequences of this affection, and immediately the uncons recretion of the usual force and a lescourbon, to which she had been liable from childboood, were suppressed; a spitting of blood, also, which had occurred frequently from the same period, came on both storning and evening, and was attributed by the patient to the militalthy state. of her gum. At the time time in epittakes, to which she was frequently liable, censed. She experienced a sense of weight in the fourth names, and lost her smell and teste; the appetite was not affected. The suppressed evacuations did not roturn, and the patient never recovered for usual good spirits. Three weeks latione her admission into the hospital she was seized with violent handaobe, accompanied with heat and thirst, which coming ther to her hed five days. There were no other symptoms; the was not fiable to colds, and this not cough.

Fels. 18th, 1822. The shy after her admission into La Charné, the intellectual faculties were unaffected; there was slight headache; complete loss of both tatte and smell; the noss calarged at its hom and laterally. This was attributed to the habit, since the had crossed blanking her nose with a handkerchief, of extracting the dried avecus with her fingure; little general debility. Tought, natural; thirst, rather argent; little appetite; smooth, natural; pulse, calm; heat moderate; respiration, easy; no evident emiciation.

(Decection of dulemmara; occurrently alphar baths; blister to the sun; one nightly of the house allowance.) The headache disappeared, but returned slightly on the 20th of February, after exposure to a cold wind. 22d. It had much distributed; the appearite was improved and thirst game. 23d. Nothing remarkable. 24th. At tea, r. m., she complained of a sense of heat, general measuress, and a feeling of swelling and follows in the face. Two hours afterwards the expired.

Opening of the corpus thirty-tus hours after should.

Experient. — Some evolveness on the surface of the skin; great rigiday of limbs.

Hean. — Brain, extremely puls, very solt throughout in whole except, like that of a new-born while; the elfarmy nerves trace natural passesses membrane of the nami factor, healthy; that of the found and manifery mann was a fine and a half thick, infiltrated, semi-temperant, firm, and in color like the puly of a baked upple; there was no died mucus in these parts.

NECK. - Gloris, epiglottis and laryne, satural.

Through, — Some adherious over the commit of the left long; five could informly, about the size of a small websit in the summit, summended by a little grey, semi-manpaires subsamee, and enclosing four nuclei, of a long carrier amounts at the posterior portion of both lange was slightly angerged; broughis, pule and thin.

Annexes. — Convex surface of the liver, very uneven, intersected by variously directed depressions, which gave it the aspect of the cerebral convolutions; the structure of the organ was builtly, and rather congested, especially in the large lobe. The pastric nuccus numbrane was of a blaish-grey color, with how and there a pink tinge; that of the small intention, ratioral; the kidneys were much congested; spleen, firm, voluminess, pale; the other viscera were healthy.

463. Without any desire to assign any cause for the sudden death of this patient, we would remark that the state of the bears in this observation is very analogous with that in the precediag, as are also the cerebral symptoms. Both patients were of nearly the same age (forty-eight and fifty-four), and at a period of life takes the brain is mountly very consistent, while in these instances, although the patients fied suddenly, it was not firmer than that of a new-been infant. This great deviation from the normal state appears to us an evident morbid condition, and this opinion is confirmed by the symptoms, which could not have been caused by any thing execut the brain. In the one case we had vertigo, thusbings of the face, sudden weakness of the limbs, of short dention, and frequently recurring during a period of thirty years; these attacks became more frequent the last six months, and were associated with numbress of the extremities, which lasted half as hour, and then entirely ceased; the intellectual faculties were never affected. In the other case there was complete paralysis of motion and sensation three years before death; this confined ambited two mostler, gradually disappearing at the end of eight months, and, as in the preceding case, the intellectual faculties remained undisturbed. In both, the control symptoms had ceased two years before death. If the symptorse are not exactly similar, they are at least very applogoes; and the greatest softening of the brain occurred in the case is which the symptoms had been most interes; so that we must recessarily suppose some dependance between the state of the benin and the symptoms observed. If, however, this should not be fully admitted, the facts may excise

further investigation on the part of observers, and this is our chief object.

We shall not enlarge on the unidea suppression of the usual and buccal secretions, see, but we would remark that the othercles in the left lung were latent, and had not excised cough; that the potient was not liable to broadhin, that the broadhin were healthy, and, consequently, nothing can justify the supposition that the suborder resulted from their shronic inflammation. As was the case in the majority of the instances of matter doub, there were vibices on the extremities.

CHAPTER XI.

CAPSES OF PUTUISTS.

doubt of the highest impurative in moderne; for, if not always available for treatment, it often enables on to otops prophylactic measures; and this consideration alone explains the inserent attention their investigation has reprived. Unfortionately, as is the case in many other circumstances, assertion is much emise than proof, and the detection of error than the discovery of truth, so that little really satisfactory has as yet been effected. Our own observations have not demonstrated the cause of tabercles in the large, but they have brought us to conclusions opposed to the doctrine of initiation, and on this account we think it useful to expose the results of our investigations. 465. We shall reconsively examine the influence of sex, paramenia, plearing, broachitis, &cc., on the production of phthisis.

INFLUENCE OF RES.

466. We have already said that the one handred and twenty-three alternations of platfirm were collected during rather more than three years, in wards containing forty-right back, equally divided between men and women. Sixty-rix of these cases belonged to the latter, tifty-reven to the men, which seems to indicate the greater liability of women to platfinis. This now is strong-henred by mother fact. In an equal number of patients of both texes who have died from other chronic affections, we have found tobereless in the lungs twenty-five times in women, and only lifteen times in tren; that is, by joining these two results, the proportion of platfiscal cases in men and women, was an accordy to ninety-two; a difference very considerable in favor of the weaker sex.*

INFLUENCE OF PARTIMONIA AND PLEURIST.

467. In eighty cases of phthisis, where we have carefully understood to learn the discuses existing anteriorly to the tuburcular effection, three had pseumonia four years before death, and from that time the cough and expectoration had contivated; four had the same discuse three, six, and fifteen years previous to the appearance of the first symptoms of phthisis, without beying incurred greater liability to colds sharing the

^{*} See Translator's Appendix, C .- H. I. E.

same pennel, or having been indject to alyapara. All were of a feeble constanting and of the Tymphatic (conpenment) that is, they presented these characters which physerious have classed among the principal predisposing causes of phthese. These observations rantually destroy one another to reference to the point one under candidecation, and, therefare, all that we can deduce from them is, that presumation exercises in influence in the development of phthese.

46%. It will doubtless be said, that this emphation is false fact by a great number of facts, particularly by the observations of M. Brussain. Waltout dispating the accuracy of these facts, we convor help thinking that we ought not to doline from those what has been brognition disheed. Acute and chronic precursoria and plenning are yery common in the anny; M. Brousses, who has examined a number of cases fand from both of these diseases, has found in many of those mbereles in the lungs, and has bence comidered plearing and precumenia as their cause. To render this conclusion riperous, tables of meralty were necessary for the prepour of arcertaining whether the large under those-circumstances were non-frequently inherculated than it individuals of the same age, those in the civil hospitals, in a time of peace. Without this confirmative evidence, the proposition of M. Bromous is wholly congeninal, since instead of depairdance, there may have been a sample concellings marrly heprocuero de allegar de la capacita de didentat e de la consecuencia della dered still mere probable from the communities, that the period of life when subsercles are most frequent (from twenty to thirty) (481), was precionly that as which M. Brauman on ohea observed parameter and phoney. These observations are not only inequable of proving presuments to be a cause of subercles, but the limory of the disease smell ruther favors a

contrary supposition. It is, in fact, (Bayle) most annally developed from the base to the summit of the lungs, while the reverse is the case for tobereles; preumonia seldom attacks both sides of the chest, while plothisis almost invariably occupies both longs. Phthisis is more frequent in women than men; the inverse holds good for preumonia. Out of severeyfive patients attacked by the latter disease, whose histories we have collected during the last three years, twenty-three only were women: eighteen sied, —fifteen men and three women.

469. The same reflections are equally applicable to pleurisy. We have found it more frequently in men than women; it was generally confined to one side of the chest, and if we have often discovered tuberculous granulations in the lungs in fatal cases of chemic pleurisy, they were equally manageus on the sides of the chest where the pleurisy did not exist, as on the other.

470. There facts are evidently much opposed to the doctrine of irritation. We are, however, far from asserting that presumonia can exercise no influence in tubercular development, for who can prescribe bounds to what is possible? But this influence appears as yet but more conjecture, and we think it can only be demonstrated by means of the tubin of mortality already alluded to, by which the diseases of individuals who had died in various circumstances may be contrasted with each other.

However, supposing for a moment that such an influence really does exist, it cannot be very considerable, since among the somewhat numerous facts we have carefully collected, we have found no evidence in its favor.*

[&]quot;See Transver's Appendix, D. - H. L. R.

DATE OF STREET, STREET

471. The influence does not from to be deconstrated norm fully then that of processors. Out of eighty individuals who districtly recollected the symptoms they had experienced notetionly to the origin of philoso, only monty-three mere subject to extend a fifty-time, or about two thirds. Image rarely infectted. What conclusion are no to draw from this i—that phthins is aqually frequent in Individuals baths to insachitis, as in those where we such liability exists a results, therefore, be considered as a consequence of the latter, no evalual relation existing between them.

Another than of farm will hard us to the same conclusion. Woman, who are more forgamily attacked by plobles than ever, on how subject to horselette, or at least to that hind of besochide which is sufficiently attents to require treatment. Out of one burdeed and furty-size mans, collected during the last three years, life-two only, or about our third, were manner.

472. Whether, therefore, we exemigate the constains which exists between inflammation of the substance of the larger of the boundful merchanic and plothins, we arrive at the same exactation, via., the we which some the next expand to phythinic in least frequently otherwal by presentation or branchinic; and this in the proportion of our to three.

The opinion then, that pulmoney tobardes are the result of chance inflatmention of the bounded stockes membrane, pulmonary parenchyms or pheers, on observe theory it may be supported, is quite anualishency; the proceeding results cannot be set mide, except by a larger series of observations,

which shall prove that the proportion no liave established resulted from a purely accidental combination of facts.

473. But if, contary to all probability, our observations should be thought not sufficiently numerous to satisfish the relative proportion of phthicis in men and women, our conclusions would set on that account be invalidated, since the relative frequency of phthicis, compared with that of possession or beautiful in either sex, would still remain unaffected.

474. If, however, by a series of well observed facts, it should appear that these two affections really exercise as in-Disease in the production of philains, it would still be undecided whether they were americary cause, and whether plathuis depended upon their presence; our observations on neute phthisis seem demostly to prove the contrary. The first is relative to a young womm who was not subject to colds (Obs. 23), had never had preumonis and was in perfect health up to the moment when she was attacked with fever, which was soon followed by cough and expression; she died on the thony-lifts day of her illness, and twenty-lifts from the comimmeement of the cough; after death see found a large must of tuberculous matter at the base of one of the lungs, softened and partially excurated, with gory granulations, &c. &c. These morbid productions were certainly not the result of bruselink inflammation; to support the contrary idea, we must prove that bronchitis of twenty-faur hours duration could have pendaced tuberculous deposit, &c. But we respect the reader too much to suppose him supporting such an opinion, or other equally improbable suppositions, and shall consider the fact of phthisis being developed independently of all inflammation, as eatifactorily as possible demonstrated in the instance before us.

476. The other observations of arute phthins are aqually ducities; we shall mention particularly the thurty-fruitly, that of a man, usually enjoying good health, unblenly arized, without any enident-cause, such firmer, then cough, and who died on the thirtieth day few the commontenest of the symptom. The large were filled by an immense marker of grey, with-temporar granulations, the broadful museus membrane being perfectly healthy, were the exception of a stight lived that, abuildon guideout be simple emperiors towants the close of life, and which is frequently observed in cases of sudden death. We would sho recall the thirty-falls observation, relative to a young man, aged piretren, in prefeet besits until attacked, without my accomance atoms by fover and cough, and in when there was sufficient to entition. matter developed at the large on the terration day, to resider the programian of the object shall. We might also gits observasions therewise and thirty-seven, and especially the fund-(bo), is which there was thelians of wood under the right clayele on the seventmenth sky, although as this notance, the fical termination traction equally rapid. Out of our handred and inverty-there eases, therefore, as to one attraction of the whole now direct doubtline of the production of plating, independently of all inflammatory ortion, either in the substame of the lung or in the broughtal mucous combrane.

476. The same fact way also be deduced from our examples of latter phthicis. These arrong them (One 27, 28, 29), were instances of simple phthicis; the cough and expentention had been preceded, doing six or under member by a continued fever with elight removing and from the absunce of all complications, the fever could only be also result of the presence of tabercles, which were turn and produced by either precurous or breachiffs. Observation fourth is also in appear

of this assertion, for both the cough and expostremion came on after four months of violent distributa, and only proceeded douth six weeks. The sixe and structum of the excusations were evident proofs of the presence of the tuberculous matter anterior to the cough, which was here as affect, not a cause.

and brenchitis in the development of partition not demonstrated, but our observations induce us to suppose its existence imaginary, or at least contricted within very narrow limits; from what has preceded, we think that we have proved, that in one twelfth part of our cases, pulmonary tabereles were developed independently of all inflammation, either of the substance of the long, plants, or browelia.

We must, however, acknowledge, that the slow progress of phthinis in the greater number of instances, and the striking similarity of its symptoms to those of simple broachitis in the first stage, and the inflammatory state of a part of the broachit as frequently present in cases of platfinis, offer an easy explanation of why inflammator, and more especially that of the broachist membrane, should have been regarded as a cause of substates; we think, however, that in the majority of cases this opinion is no longer traphle.

438. There is also a sirrumannoe not less certain than those on which we have linkerse institud, and which might indeed be sufmitted in their stead, viz. (36) that the broselia are in general healthy in the vicinity of either unasfected tobercles, or names of gray, semi-transparent matter (Obs. 29, &c.); that the reduces and thickening of these which communicate with subcreations accavations, seem the result of the constant passage of the contents of the latter, and that in cases fitted from some other affection, but with crude subcreates, or grey granulations in the lange (Obs. 50), the

becarding are almost constantly healthy, both as to color and thickness. Facts of this description are not ancommon; we have lately encountered several, and it is only recovery to have men a single example, to feel convinced that is many improves, inflammation and tubustles in the large are independent of each other.*

ASSESSMENT OF PERSON.

429. The influence of them, and repocally of stays, on the production of phillitis, is also pushaps a mess americas. Sereral of the women we womened were halde to shortness of breath before they became communitive; but this was equally the case with the man; so that if my should after a commuter between this presidently in down and philosis, it would not be correct, even if they have been norm from a very early period. of the, to annihute phalinis to mays. Besides, the majority of our female patients had been educated in the country, were habimated to mote occupations, and had only liter accuscomed to stay a after their residence in Paris, when their gworth was suchlished, or in pilor south, when stays could not have exerted any considerable influence on the dimensions of the chiest. Supposing, however, this influence to have existed, its demonstration would be exceptingly difficult, for is would be successify to compare a great market of women together, some of whom had mem mays from a very early period, the others only after the full growth of their hodies, to be realized to decide if philips was more frequent in out class than in the other. The influence of stays in platinis, and in general of those causes which interfere with the devel-

^{*} See Transme's Appendix, E. - H. I. B.

opment of the frame, is still more problematical, from the first that tubercles are nearly equally frequent, or individuals of a strong as in those of a feeble constitution.*

HELEDITARY INFLORMED

490. One touth of our patients were children of pareits, one or both of whom appeared, as far as we could judge, to

* "The deposition of the prestitue matter of tabers in any of the tienness or organs of the heavy, is only the result of pressure changes in the general system, expansible, as we have embersored to show by the physical embedding of the peticum and by a discounted state of rections functions; devos dates at the body quite distinct from more debility, and therefore inexplicable so the idea of a difference of force or base of the system, and which, though vary generally accompanied with a techlic argumentom, is not incominated with two great development and inordinate action of particular point, and even with manufaculate physical power of the system." — Article on tabercular Philists.— Get. Proct. Med. page 225.5 — Con an.

I There can be but little doubt that as a general principle, children born from healthy parents are more robust than there in appoint circulationers, and on this arcount are bee profupused to discuse. The existence bidlerita addased in them of the hereditary means of philine, amount to Wile more than the assumement of this fact, and while we cannot help abotting, in the children of communicate parents, a predisposition, there is no consuto appear that in the majority of instructor, peoply he is reatment would not be stiggled with massess. The fact of tidestles lietug famil to the Sutor, only process that phthirds is one of the many threases which may be developed before birth, and we have no recens to believe that it may not arise from any coelectio to the purent which interfered with the proper nothing of the child, at well at from the fatoresisms. In general terms, is may be stated that children are Barchinelly geodispood to philate in prepartion at their general health is enfectfool, whatever may be the cause, and that attention to they best is of more, practical importance, to the physivitte. This the knowledge of reference independent discovered or did not exist on the part of parents. - Cowax.

[|] See Translator's Appendix, F. - H. I. S.

leave died of phthoin; has an the disease could have been transmitted or spentaneously developed, and since we are ignerant of the cases of death in their brothers and sistem, it follows that we have not collected any fact in favor of the heroditary nature of phthoin. We do not wish to imply that this hereditary influence is deathful, for too many examples seem to justily as opposite opinion; and probably also the proportion we have mentioned of individuals form from consumptive patients, is too small, from the difficulty which in hospitals attends the instratigation; but we believe, that to desermine the specimes antisfactorily, where of mention model be accuraty, comparing as equal number of persons born of phthoical persons with show in an opposite conductor.

DAPLATESCE OF ALIC.

481. Of this there is no death; the number of deaths from plathisis, is more considerable from treaty to first, thus from forty to sixty, almostly the absolute mortality is less in the first than is the second period. This fact has already been proved by Bayler, and our own observations are confinantive of his with some elight variations.* Plathis is distributed in the different ages as follows:—

Determine the Line of		personing to Reptile
15 and 20,	II dluki	10 died.
20 ** 30,	29 //	93 11
30 " - 10"	33	23 "
10 + 50,	23 m	#1 11
50 11 60,	12 "	10 //
60 - 70,	5	8 17

[&]quot; See Typestern Appendix, G. - H. L. E.

CHAPTER XII.

TREATMENT.

482. It was simple, and varied according to the indications. These were founded on the state of the functions, and the different complications occurring in the progress of the principal disease.

483. Upon the arrival of the parient, if there was very little or no fever, no thoracic complication, (as pleurity, possimatia, hemophysis, &c.), and if the digestive functions were not deranged, we prescribed, whatever might have been the stage of the disease, the decection of leeland moss, a gain potion, and frequently small doors of syrup of poppies to allay the cough and procure sleep. One fourth or an eighth of the usual house allowance true given in proportion to the appetite; the food was afterwards either increased or diminished, as circumstances pointed out.

484. When fever was present without local inflammatory symptoms, as was the case in the second stage, we codeced infusion of the poeteral flowers, a gam potion, some broth, with two rice creases daily. Under this regimen the violence of the fever abased, and there was general improvement in all the functions; the thirst was less argent; the appetite increased; the breathing became less oppositive, and the expectoration more easy; the food was always regulated by the state of the patient and his appetite; regetables and frequently milk were allowed. This amelioration was more or less permanent, but after a certain time some complication invariably supervened, requiring a charge in the treatment.

485. If the patients entered the hospital some after the commencement of the downer, and if the symptoms were more or because, the infinious of violets, a simple guar position day, and smally represented in proportion to the takes when the extension term suppressed or negative has only when the disease true are elimination or proposed to the labor when the disease true are elimination in the proposed and when fiver man present. Rivering, other head or general, under those elementatives, exercise little or an infinite over the disease.

446. When the rough was very touchtenane coming the night, no prescribed at first an owers or half an ounce of symp. of propies in the evening, and if this did not succeed, we endured a guar porton with dones of option, gradually incremed, from one to three grains. He more more in which this remedy was used without auteon, the sevine of morpher and extract of belladors were recreatedly uled without any additional mercury. In this cases where miner, under every form, had failed, it was given throng the thay in doors of from one to two grains, without any domination of the cough; in three of these it was suppressed because it occasioned pains in the thmat. These pains tiere pergent, with a term of deynem. and tight bisingness running on half us hour, as hour, or even many, after the pill you mullimed; the deglation was also deficult, though there was no reduces of the planyax or anyphile. These symptons remined whenever beliadomawas taken, and provinced from two to three braun.

487. Plearitic pains, at whother period they occurred, when argent, required particular mention. If present in the suffer periods of the docum, and arcompound well fever, temperation was presented and repeated if occurring according to the attempt of the patients and violence of the symp-

toms; leeches were then applied and afterwards a blister. Under this treatment the symptoms abited, but did not wholly disappear; the efficien was not completely absorbed, and the pains occasionally returned. At a more advanced period, when the constitution and debility were considerable, some leeches or a small blister were the only remedies reserved to.

Processorie symptoms mere treated precisely in the same way, and, as we have already remarked, with success.

488. Fenerection was also employed in cases of copious harmopaysis; has although carried to great extent in three instances (Obs. 16, 19), it failed to arrest the hamorrhage, for it came on after the venerection, in the midst of the most perfect culturess of the patient, just as if the individual had committed some error in det. In one case (Obs. 10), a large blister was applied between the shoulders, without any evident success; in another (Obs. 42), the hamorrhage was not arrested antil after the administration of a guest potion, with half a draches of the postder of rates by root. On the first day that this was used the hemoptysis was much diminished, and on the third ceased altograher. If the homoptysis was slight, er if the expectoration only presented a red tist, and the debility very considerable, we confined ourselves to demicent drinks, hand and foot builts, enounts and diet. In some cases, under these riscomtances, a very small bleeding was practised with evident success, the red color of the sputa disappearing very soon after the vein was opened.

489. In six cases to which the dysposes was considerable and there was no disease of the heart, or acute affection of the large, blisters were applied over the sternum, with relief in two cases. When the same application was made to the ann, the patient never appeared benefited in any way, whether

is was made before or after entrance turn the haspital. In four examples of scarc platinia, bitmers more also applied to the closes after temporation, without any decrease of the appression, favor, or cough; so that blunking and derivatives have failed in the analysis of those cases on have observed.

490 In three of the instances, where the alternatus of the resize and pains in the bayers to bested alternatus in this region, backet were twice applied to the mek and were use-corded by a bloser, without our course. This treatment was opposed to the electration of the coulous (mostly indeed giving time to an apartonic), but been their frequency, as well as those of the equipment and beyon, the application of medicated report or a certain period of the docum, would pushage be adjusting even.

401. The sulphine of qualities was given in some eases where the rigins were very treadlessme and regular in their recommence; they distincted or disappeared extendy after the use of the fabrilege, but the best produced, and the rigon also returned when the recordy was absoluted. In one case (Obs. 41), as imprevious was necessimated by the apprecious at the epigentism. Let, which it recomment,

492 In its cases the accesse of had was employed to check the perspirations, in done gradually accessed to twelve or filters gains daily, but in only one one with success. In one instance it was replaced by the infinion of ank or perperment, without any advantage.

493. The atmost often gave accentions for treatment. When it was the seat of acous panes, accompaned by beat, and the nunciation and delivity were not extreme, letches were applied to the epigastrium, which diminished the pains for a short period, but they returned with names and somiting of bile. When there was great general weakness, emollient drinks

and external applications from the only remedies employed; a notation of goal or tartatic typing, if the thirst was argent; but all risals mean impired diagons, producing a series of weight and data its digration in the opigatorium. The Seltzer states detailed relieved the varieting for some days, but such lost its effect. Opions resider distinished the pain nor consisting, which mone, as we have seen in the great majority of instances, from the softening and thinning of the gastric macous memberses.

494. When the discretion was slight, the food was simply diminished, and tice water with gum syrup prescribed. If more argent, the quiner syrup was substituted. Under this treatment it sometimes remained stationary, or was even suspended, but woully it increased, and then, if possible, the white decornion and the diasconlines, either with or without opines, stern ordered, but in general ansuccessfully. Twenty-five parients were submitted to this treatment, from twelve to forty-right days before death. They may be naturally ranged into these classes; in some there were ofcorations in one or both of the intestiner, generally with a considerable softening of the enicous membrane of the color, which was often red and thickened; in others the alcorations were considerable, and the softening of the living moustment of the large intestine yearly us in the first class; in a third class, the mucous membrane was simply softened, without reduces or alcoration. In the first, including fifteen cases, the diambon was illuminabed in these after the administration of the flancordeurs, and continued so till death; in one of these instances the softening was inconsiderable. In the second nivision, a similar result was obtained to two out of eight infividuals, in one of whom there was only a large ulcuminar in the cacoun. Landy, in one patient of the third class, where the Garrhora was

very report before taking the diagonation, it can unchdesired from the moment this medicals was prescribed, and continued so during the forty days preceding death; so that out of terrary-five cases, six only appeared to have been benefited by the discontinual, on most also add that in three between in which the mucous membrane of the color was ubscribed, informed, or thicknessed, the distributions was interported by the dissemblem.

The decoction of catechia was employed with the same intention, in doses of four to eight support. Statten patients took it; in five of these the debility was too great and death too near to appreciate the action of medicine. The eleven others bugan its use from two to three weeks before death, and five appeared benefited. In one of these, however, the suppression of the distribute was immediately succeeded by uneminess, anxiety, thirst, heat in the throat, &c., which were warse to the parient than the diarrhess. After death, we found evident meso of occur inflammation of the mostor membrane of the sensels and melon, which might saily in this instance, as in many others, have been spontaneous, and not the result of the remedy-employed; these were also moneous intestinal alcoration with suffering of the normal numbrace of the roles. These last besiens were equally present in the other gases. Ratishis and was also total in the same open observais one ease without occurs. Lordy, opining in draw of ease er two grams a day, was prescribed in aver cases, but the durtura diminished in only one institure.

Thus discordions, catechar, opions appeared equal in their effects upon the distribute of the subsented stage of philosociand from the definence which exists in the action of catechard opion, we may suspect that the nucleus we have measured in rather apparent than real.

We may observe, while on this subject, that towards the close of chronic diseases, and particularly of phthios, it would perhaps be preferable to avoid my stimulating plan in the treatment of diarrism; for, from the facts we have related in the first part of this volume, distribute, in the majority of instances, is dependant upon an inflammatory state of the mucous membrane of the large intestine, which is soon followed by disorganization; and as this membrane is the principal source of the diambies, our remodies should be chiefly applied to its surface. Let us add, always on the testimony of facts, that the last period of chronic disease is favorable to every kind of inflammation, a fact which should constantly be remembered, whatever class of symptoms may be predominant; also, that the gastric mucous membrane is then frequently affected, an additional reason to employ, in general at least, mild internal remedies."

* See Tradelable's Appendix, H. - H. L. H.





TRANSLATOR'S APPENDIX.

(IV is proper to state that the philosopherome of that Approve to the found is notice posterof the foundation, and all if there except the found is notice posterof in the owner type on the original. If it from that the postero that which we are labeled to percentage and the invalidative count is attached to them, but when mounty proper are then introduced, it is obtained for the resting in their sectors in temperature. Within the the original work should be stated or attached by the invalidation. Withing the the original work should be stated or attached by the invalidation. Withing the the original work should be stated or attached any extension with a technical fit of the original work should be stated of other law, and a trivial to place of (II). Commits addition to the present form. They contains more any extension that, inough I have be been question. They contains more any extension of a complete them, on, in order month, he has extend the section of the sectio

A.

ORIGIN AND DETERMENT OF POTHERIE.

We have an introduced experience which have been unsertained on the countries of the numerous systems which have been unsertained on the engage and made of development of believes. We refer these who are described of principally subject, to Dr. Forber's Translation of Larrence; Buyle (Recherches our to Phthirir Polomories)) Archad (Presis, Aust. Posted, and his Clinique Middowle); Bermania / Information of the Clinique Middowle); Bermania / Information (Computation of the Clinique Middowle); Bermania / Information (Computation of the Clinique Middowle); Bermania / Information (Computation of the Clinique Middowle); Bermania / Information of the Clinique Middowle); Bermania / Information

Estant, Pothol.); Lemburd (Essai per for Thiercoles); Magendia Sermal de Physiologic, vol. I.); Tromsons and Lebino (Abrillous Gen. de Mod., 1836); and in our own country to the arctage of Drs. Aliane, Station, Riema, Williams, Caravell, Clark, Spittall, Rogers, &c. The impairy has elimined more infert and impercity than any possive and practical results: we would therefore man the stadent form attaching too much importants to the output, and incommend him to recove all epinious and hypotheses with great concre and cartion. Let him remember, that since intercless are tought in every organ of the body, all epinious relative to their farmition, which are depending on the poculiar structure of the lange, are necessarily capable of only partial application, while aming would lead us to suppose that an identical market prediction, so generally distributed, would originate in some times common to off-our argum.

The form and republicy of taberculous deposition are undenbodily unbject to great varietiess; there differences are most sensible in a comparative view of tabercles in the hungs and those in other organs, though in many cases of neute pathinis the formation of pulseomery tabercles seems free frem my premiurities; and, on the other hand, the previous modifications to their complete development, which are in general only to be traced in the large, are occasionally present in other organs; these facts may explain many varieties in the progress of philoson, and slow have say appoints operates may be equally true, in particular circumstances, while they are all false in any general application.

As the relative frequency of intercent in our different organs is a very important quarties in the history of phthinis, we shall compare our author's sensite with those of other observers, sensiting that they are not to be regarded as definitive, but natedy as increatives to further irrestigations. Larance, is his section, "Organic Changes which usually attend phthinis" (page 296), while he agrees in most points with M. Louis, has not reduced his observations to the natural end form, and his oridently allowed the condition of the palmontry organs almost wholly to engross his amention. Andrel principally differs from M. Louis in having found rather more frequently tubercies in various argues when most existed in the fange, he also thinks then more frequent in the pleasant and peritoneal false sembosners.

testicles and homes. M. Lembard, to his Mand are the Trabesia, in 300 epsil phthemal patients, found transfer in the amortion 26 times; in the measuremer glands, the testical glands, it; develop-T; spients, G; insider glands and the collegentational tellular times, A; antitury glands and autience mediantisms. B; enterpolarities reflectar times, spinal margon, falso recolvence of the planes and peritonesse, interestal montes and overses, 2 rack; gall-blander, liver, posterior anolisationes, planes, careform, markets, thirty, protate, bladder, corebrase and operbolium, modulis altinigate, kidneys, and vancate reconsider. Looch.

The same observer, in 1(0 cases of philoso to inform, given the following proportions:—Broachind glassis, 67 (100)s, 78 (10) tower in only one long, 53 in the left, 17 in the right); momenture glassis, 58; sphere, 25; historys, 11; intercome, 5; testes, 6; covernal glassis 7; meninguni pseudomens, 6; passivers, gustro-bepatic glassis, cribalise testes foreig the perfections, 5; sphere & or 65 (this organ in twice mentioned, with two widely different numbers, — the result had better be considered regarder); tagainst glassis, 3; stillular tisses liming the pleases, 2; familiar glassis, bladder, covernum, gall-bladder and falso membranes covering the please, 7 such. Though these ligares may not be, and probably are not, eigenvally exact, yet the unistance in the frequency of tenerics in the different argume in the adult and infant are most striking and too considerable to depend on any accidental increasions.

The more frequent occurrence of reference in the trends of planes than in the large, [Andrel has observed the fact in the midd, but very rarely, — Yide Chinique Medicale, Malatine de Pentrus), in the assecutorie glands that in the indemnes, and the inverse proportion in the large and in the covered glands, is associable and pulsar deficials to applian by the electrons of invention of the mission memberses. The propositionaries of inherities in the brain, and muniagen in infinite is also striking, and coincides with general observance.

M. Lembard seems to have smitted altogether the planyan, larges and trackers.

We may them conclude that in scholars the distribution of tubescles differs within from that in adults, that they exist is a greater mandom of organis at some, and see not an inventedly present to the feege. We are disposed to think that the lotter feet is not estiminatically established, either far inflorm or admire, and that the value of M. Lonn's observations on this point (which only present our exception in 250 examples) is not yet imposed, for we must remember that NM. Andrel and Lumbard, not considering the grey, semi-truncparent granulations to be a modification of taburdes, they no doubt have emitted to mention them in their calculation, and this may be the cause of the non-accordance of their results with those of M. Lonio.

Tobercles are not peculiar to man, they are very frequently found in horses, and appear in these animals to be more frequent in the thre-cellular tissue of the natal form, than in the langu. - [Vide M. Dayers, De Polifortion Telerrestrate, &r., Son 1817, Paristy They are rare in the interthers, M. Dupuy only finding them twice out of security-two cases. The same observer has found them in the pigand here they are in general associated with the epiticerone. In monkers, various reductis, and in cases they freescopily abound; and in all everyty a variety of organo. - (Vide Andra), Petric de Austenie Pathologique, page 431, vol. 1) In the twenty-second number of the Annales of Higgs on Publique, there is a letter from M. Hittard, on the liability of cows, confined in the stables of Paris, to communities. The author simply establishes the fact, that they are very nable to the disease, but has not analyzed the vaccion raffarmers to which they are exposed, in a way calculated to admit of any positive and satisfactory Inductions,

B.

Briggosis or Parnisis.

We have stready directed the reader's attention to the study of the expiretives as an admitional means of detecting an alteration in the density of the long, and invested upon an apportunes as pecularly applicable to the carties promote of tabercular deposition. The difference in the sort of risple branchitis and of that which is complicated with polymerry infrarcles, is a fact out item remerkable than impertant in siding our diagrams of phthins, and has noted jet received. that attention which, judging from the authors of M. Leots, is one duritedly deserves. He has impristly bond that the adminimarrie and advances tills, reading feet made count, reignanas the fewer part of the chart, while branching amplicated with pulmonary taloredes, is always situated in the apprehite. Simple breathitis nearly attacks him more of the most, when the playering from beherelys is at first about assumed seedard to the upper lobe of one side. In the engine diseases, managed freeze and emphysical, the soul of the Agreedial influenceion or containing in the heart toke a and shoung the lost three years, out of some than \$45 cooks, M. Lowis has not und with a ringle comple in unitariotom of the above statemat. When because it is nonerest, of come these distinctions are not available, majore we have been marked to follow its predict pregreen. Of the sources aspections of this last, there can only be and represent a took has accompanied to the second of the second at world doubte much work and mouth, and cally introductioned minor of an affection which, without the knowledge of this fact, would frequently be contourned traff stuple natural, and also from more the house both of the pattern and providence.

There are not recently the form broughts with futures of the breedly in the rappe toler (The 11), which picks early, judging samply from some local symptoms, took as protorilayer and perportionals he matrices for talefraints encavatume. Paster these site martaness we must carefully inquire into the lastopy of the gave, the deputies of the reporture, their being limited to our side of the close, the absence of fiver, and the preciding character of the breached afterious to which the period has been hable. The preswas was of immedition, point, and reportelly the condition of the Algorithm to be, would proble poul ways emilde us to arrive at some sense. factory distributing characters between these two affections. Parcontinue the world would, for an and thronic paternalism excussions more or him country industries of the larg would have secondand this is not usually the case for thinked breaching. In close inmanyon whose the size of the tabercular courty remiers percurrent coor, swintinganding the purely interaction, it would be scarcely

possible to confound the accentic phracesers with those aming from diluted browning.

The attention and character of personnels only also sold our ding, main of tubercies. In the great empority of more enougy young subjects it is readed in the foury foles, and is usually confined to me aide of the chart; while in persons above fifty M. Louis has found that the apper fole is more frequently affected. An ettack of double possession in the upper foles is a very probable indication of takercies. These remains are not applicable to the paccusaria which as after occurs towards the close of life; it then not unfrequently occupies both soles of the close.

It may be worth observe y, that in measiles the experierables is often manuscrated and flocculent, as in the second stage of philisest, We may also again advert to the fact, that the existence of chronic perstautis or sufficient to justify the diagrams of pulsassary talordes though no general symptoms may have directed our attention to the lungs. In the chapters on latent and acute phthisis, the reader will be enabled to apprecises some of those aumerous difficulties which often interfere with the diagnosis of phthicis, and at the stree time he convinced how carried are the symptoms, and incalculable the progress of this affection. The shience of cough and of expecteration at a time when tobereniar omities are present in the dang the visbeane of the general symptoms while the fruion of the polanomry oursus is barely to be detected by the most careful examination, nor facts never to be lost night of, and highly calculated to prevent histyconclusions respecting the presence or abstace of a discuse, which, while sarely or over destitate of some local characteristics, in often soproteun in its greenal manifestations. The student's attention is tooupt to be directed to the signs of pithing in its advanced stage, such as preturilogny and purulent experimention, &c. &c.; but these promincut symptoms are certainly of accordary afterest to those manacousand curior indications gathered from an incomes history of the case, from a correct investigation of the expression of the symptoms, and from the knowledge of their individual value. The appreciation of the nicer slades of water littles and percunius can only be acquired. by long and preserving practice; but the affirmative and negation value of the endence which this means of extraination affords, will

amply repay the time and treatile expended in obtaining the access
many shill for its ampliture of takercalay deposition, than accountly
to detect the first indications of takercalay deposition, than accountly
to describe the varying and counter account parameter resulting
from an exceedance in the large; for more useful to be able eightly
to interpret the value of the white frothy expectoration, than to emiliply experiments for the purpose of discovering the presence of pass
Let it be remembered that there is no one symptom which committee
a discount, not say one phenomenous which is invariably powers t cost
diagrams to be correct, many be deduced from all the symptoms
which are secondited to our potice, and their just estimation, founded
upon an accordal knowledge of the publishey of the affection.

The fabit of mingling the description of all the accessory sympfour with those which are the findamental signs, has know much injurious to the progress of diagrams, and in the indocuments crosmention of every possible caration which may be noticed in the progress and symptoms of any discuse when associated with indiridad prestigation, the recentled and Scaling Bratansa are too upt to he erest-close, and no definite or natificately information conveyed to the raind. The micretainty almost varieticity ettending the just appreciation of particular symptoms, which we well know may depend. on very different and opposite causes, given great additional value to every increase of our locables for the physical examination of our organs. The results which this method of investigation affords, and not exposed to the same liability to cover, and though frequently incapable of affecting any eleculation as to the nature to sent of particular firement, they always posetts a negative titles of no excell imputance to the practitioner, both us to prognosis and treatment. Let the student also recellent that its cuttoot be too asmell in his imparted - regressor diagnosis is founded upon monder, and it is only by multiplying our points of recognition, that we can trace with any continuty the ever-varying features of disease. We at the same time topour our own segurity, and acquire that pengiently in description by which our elementations become available to others; the mind no longer risks skinsled with some shadowy and orscertain conclusions, but by patient and minute investigation seeks to combine and extronalize the often complicated gategrals from which

resocial indications are to emusate. The want of correct diagnosis has been precisely orident on the subject of philains, and has residered melicus a vantumes of information on the threspective of this disease, because in many cases the existence of the disease melf may be questioned. At no period of medicine has diagnosis been so generally or unconstally stocked as at present, but at the same time we feel that it is fur from being cultivated no untensively as it deserves, and we conversly trust that the younger branches of the profession will make it with more an object of special study and develop.

C.

INPLUENCE OF SEX IN THE PRODUCTION OF PRINCIPAL

M. Bracotton de Chitesement, in a very interesting respoir to which we have more puriously printed in the nature to this shopter, says, that can of 1554 could from philipse, 745 were says, s29 weeses, In the Statement Tables of Paris, published under the augustee of M. Chalcol (Vide Jours, Sta Pragues des Science et des Just, Al-Liebles, t. S. 1830), we find that ent of 2542 cases of phthons, 5582 were women, 1260 uses. M. Lepellener found that the number of phrisiscal Squales admitted into the hospitals of Paris, were in relation to mides as 5 to 3. Dr. Papaveine, its lits Intergrated Empy on Palerthe services the cut of 532 girls from the upo of 2 years to 15, exseriped at the Aspital des Estima Maladas, 308, or two thirds, were telegrandams, while on of 388 keps, 210, or about a stailer propertion, proceeded the same morbid popularity. Dr. Darwall, in his steering of cases at the Birmingian dispension (Vide Midisal Med. and Sury, Reporter, No. 3, Fab. 1829), given 56 cases of teleproducconsumption, if of which were women, it may. To this evidence, we might add the speciess of a vicety of authors, both ancient and modern, in the or of the greater liability of women to they disease, but we shall confine ourselves to manufacal pensits, and we think the

stricing accordance of the above sufficient to establish the first in question. It may be objected that they were not all cases of philipsis; probably and his store the automy of falls princedly care and phthoged, and or the relation Superger of phonograph procurence. the entire are, in the support of that of pathicity will depend on their to Hirigina rather than irradulate the greatle. The proportion given by Dr. Payment responsing children, in whom the common to have no inference, are nother contractions from contractions, for at this partial of life the pointumes of action me an uniformly addictr fulfitt, among this roa of the lower vision at least, its air one tially rary. If dress, professions, and andreatury companions are the casme of plothics is the adult, we sught here consumed a price; that the relative frequency of the docume would usly be apparent when these causes become action. In most not be forgitive that these results are principally depried from the Statistical Tables of Paris, and are not in union with those abuliant in New York, Swedie, &c. (Vide Codes, Prost, Mol., part exis page 200). Viery cannot literafire, he regarded as more than a highly probable approximation to the truth, founded upon the greater comparative accuracy of the sixtails, and their heary reducted at a time when the linealistic of the flagment of pithing and post-motion constituting green precionly consequent value to all resourcises upon than otherst. To arrorn forecon, at positive conclusions, it would be secontry, as Dr. Clarke says, to have the relative named of the stress after in ratio place, their relative dualin from other durance and their relative adassessed time the homotale referred to. The intim and imagestion of the array, the district bring mandaturing or otherwise, would per And probes many local modifications in the results.

D.

INVESTIGATE OF PARTMONIA IN THE PRODUCTION OF PROPERTIES.

M. Lambard, us a valuable memoir on the respective prevalence of processed in either side of the closel (Vide Arch. Gru. & Aled., Jan. 19331, anys that in 1932 cases collected by Andral, Chousel and himself, 155 had preventorie in bith large, 200 in the left long, 413 in the right. This is strong additional evidence in those of M. Lonn's results; it is to be regretted that in 195 cases of double passessonis, the presence of absence of tubercular complication is not mentioned: The same nathor has investigated the influence of age on unexisonia. His researches are frunded on 206 children from the age of I day to 18 months, on 118 from 18 months to 14 years, and on 1254 persons of ages surving from 15 to 83. He infect that pagesminin forms these sewesteenths of all the organic decoupements found in infinite who have died during the first night days ; two ninths during the second week; three tenths during the third week; two nicibi between the sixth week and and of the nightle; one tenth only because the second and sixth month. In the second year it amounts to one third; from the second year to the with, one fourth to one fifth , from the eighth to the eleventh, one fourth to one sixth; from the fourteenth to the nineteenth only one thirty-seventh; from the singularity to the twenty-seventh, our minth; from the twentyseventh to the forty-seventh, our Afternia's from the firsty-seventh to the eighty fifth, our fourtrenth; shore this, one eighth. The reader is requested to compare these results with similar researchou is pithicis, and he will find them compherate the author's comice, as to the independence of paramonia and mhandes; subsed we think that as impartial east of all the percoding facts renders this concitizen inemakly. It may not be uninteresting to oppose the bestimany of larte to the prepositions (163-171) of M. Brommis. Baylo, Lacanec, Andral, Lombard, all agree to regarding promission as a tivity percentary cause of phthose,

E

INFAUERICAN BRONCHISTA OR TREPRETATION.

This section (474) and the nather's reasoning are posterfully worths. of serious attention, and mostly calculated to stake any fact to accomof apparently the host arbitrational medical from. Perhaps in the history of avenue no the spinior was more inneredly admitted. than that broughtip was assurger the most Suspend and active course. of priming triangles; thire shoot however he may leave a tomored, and its accuracy in removed still some problematical by what has here afenced in the notes on "Diagnose," as to the amateur of swight himstatus at the house of the Jungs. Chemic inflammating of the brenchiel moreous presidence does not appear assertativestics. In eleven character of direct branching where the general symptoms of phthisis look not been present, and the duration of the affection was from Dec. 52 No. years, the present members was intrinsity that thickened and granulated, while industries existed only in these, and were nother numerous are softened. It is not intended to skiny that becautiful may and down premionally faults the development of indicated facting like all other causes which tend to weaken the time total of health;, but that it has no slight morph influence. Indied we may perhaps conclude, that may source of interess and probaged febrile measurest may be indirectly the cases of urbereles. Out of firty air cores of continued fever (affection typhoide) observed by M. Louis, in the there were once takendes or grey, semi-dramposent grapulations in the reasont of the longs, and or these instances death look place from the twenty-lifts to the Eury-sixth day of the disease. No salestiles were found in those who died at an emiler period, -(Vide die if May. Pak, No. 11, page 75a)

Simple increased executation, when not inflammatory, cames be regarded as a cause of inhercies. M. Lorar has milierated forty flow field cases of diseases of the beart; mostern were hypercoming of the right number, twenty-nine hypertrophy of the right ventriely. In six of the hiter the paramany artery was enlarged and thickened, thus proving the increased impetrator the auculation:— in all there were only two examples of palametry subsercles, while in fifty cases of cancer this complication existed in eleven untransa. To conclude this increased mass of endance, in firty saids of emphyseum of the large, accommand in the chreak broachin of account years duration, only fine presented inhercion in the large, and in our close were they numerous.— (Vale Eremes, page 78.)

F.

INCLUDENCE OF DEERS IN THE PRODUCTION OF PROBLEMS.

We cannot coincide with the author's reasoning in this paragraph. (\$79). The fact of stays only being seen after the chest was fully developed does not in the least weaken the windence of their being a cause. of problems, for the comparatory and digestine functions may be equally: impeded by any obstructions to the movements of the thorax as by those which reference to development. The charge of habits also in the individuals mentioned, from a country life to a residence in Paris, renders all calculations on the influence of dress valueless. From the evidence becaught forward at the end of this chapter (G), relative to certain professions, it may be fairly argued, in the absence of my positive evidence on the inflamor of particular articles of dress, which, as the nigher says, it would be very difficult to obtain, that whatever interferes with the feet action of the lungs, either by any habitual passeurs of the hody, or mentionical sharesties, may be connected as powerfully per-lisposing to pairsoning takercles. In delicate children particularly, the effect of any mode of dress by which assecular action is impeded unused but he most prejudicial, and if not terminating in philipsa, is undoobcodly the most fruitful source of spirmi deformity.

G.

INTERESCENT VARIABLE DATES IN THE PRI-

These results (401), are construed by time at Dr. Darwall; in hety-night female value of philines, the numbers were as follows : --

do				Desire
15 4: 95				23
90 to 30	1		34	ls.
28 to 48				1.0
40 to 50	-	-		- 16
50				1.6

In the Statistical Tellers of Parts already externed no (C), Security on 1647 examples of philosis, we find agree transport according to the relative frequency of interview.

April .			490
90 to 20	-	- 2	0.0 = 10
20 to 10		-	10.16.79
THE REST.		-0.	70 to 20
46 so 50	0		ED 11: 00
20.0100	10		90 to limit

This table strengthers the perioding with regard to the name age; for the partier periods of the, the meterials are two copies and form many discussioners like interprise of Des Lombred and Properties; by comparing the record resourches of Des Lombred and Properties; under at the Heppini des Entant Mainten. The former has found to between two most and second govern in two constitutes in two or between the mound and second govern in two constitutes in the action in the probability between the factor and self-plane. From this last probability in the factor are not self-plane. From this last probability is the factor or many frequent than contribing to the factor and self-plane. From this last probability is the factor of the parties and agency for any first first probability to the factor or the parties of the agency for any first first and first. There executes

are very similar to those of Dr. Papavoine; this pethologist has found that from the finish so the doescouth year the number of inherculous elideren is greater than that of those who are not so; that tobercles say most frequent between the fauth and seventh years; that they again bucome numerous from the twelfth to the thirtcouth year; that be" tween the formerath and fifteenth years the same proportions exist as between the tierd and fourth. These data are founded on the postmarkens of 926 shiddren (388 hoys-530 girls), from the age of two years to fifteen. Out of these 528, or nearly three fifths, presented (abercles.- Vido Joses, des Prog. des Se. Medicales, t. ii. 1830 ; and Berso Abd., June, 1830; The shore details all coincide in placing the maximum of tabercles in the adult, netween the ages of twenty and forty. The great frequency of tokercles in etiblies as implied by the researches of Des. Londont, Paparoine and others, is a fact of considerable interest, and is not consecunt with what has hithortobeen the general opinion. This we doubt may be attributed peinripally to our pathology being new founded on post-morten examinations, and not on more symptometalogy; also to the medifications which age produces in the symptoms of taburcles, to their different distribution in children, and their frequent manifestation by abdominal rather than theracic symptoms. The question of the influence of age is an important one, and is still depending on fittire investigations for its complete elacidation. We poles the reader to the able summary of Br. Clarke (Valo Cyclique of Prant. Med. part axis, page 307), for more extended details on this interesting subject.

The resons of phthics have sever received that attention which they really deserve, more superially since the norall of their inflocace is a morbid condition of the system, for the removal of which, inclining his hitherto been almost meet. Under these circumstances percention is evidently a some important investigation than care, and the arrive agents of tubercales disease most for most serious and attention posterich. There is one probable error which has attended the anjustry of investigations on the calebagy of this and other discases, which in the appreciation of the succeeding remarks, next and he forgetten. Every possible influence has been occasionally associated with an affection so frequent in its occurrence, and the

long list of causes often number no indistrictions of exposures of every agent expekts of multipleg the health, without any definition of its relative activity, we may assempt to distinguish between what cascarially predisposes to discuss and what sample fasters at decaspensed after the prediffusion has been formed. Without attention to this the course of discuss can never be classified, for in proportion as the health is debittered and most instead peculiarities abound, do we neitiply the number and activity of these influences which prnet upon the frame, and thus such individual adds a new carse to our list, total sorelty in about requality, and popliglactic treatment would require earther would far its employment. In securiting, therefore, to appoint the course of succession, the tallareces are above exercised which appear copolic, it) a more critical prolonged application, of producing education departments a funday individual. In accordance with those money, we shall not make the reader acquisited with some section extrance remarks on this most important inflient.

It will be necessary about entirely to cooline our remarks to the equilibrium schoited by all, or by the national of these on whose inquires we not rely, for each notice being about a different pair to the arrangement of his details, and arrived as different consists with regard to purey instrument facts, a wealth require a trium rather than a note to exter at length into these examinations by which these differences might order be applicable, or attributed to the provides and a priors stown of the nature and consent of philinia, which have measurably influenced the women. One provipal sources of antisomation and there.

Let. A receive, by M. Bernstein de Chibermont, on the relations of contineption to trader and professions generally, published in the about a Mag. Publ. for Edgy, 1983. It is founded upon the impression of the mysters of the principal bounds of Pheir, including a principal first or the groun, on the molecular belonging to particular profession were agreement or otherwise, determining the proportion which the decide from pickings to much back best to the total advances of persons of that trade. The confider of principal (principal) manage the community classes, in 42, and the same total of advances (26,045 man uses 19955 women). Out of these

1554 have died from thoracic affections, (745 men. 809 wasnes), or whose one thirty-Effa for the former and one sweaty-first for the latter. The reader will at once perceive that this mode of deciding the question was never be completely satisfactory, for the determin nation of the comparation mortality or pathicity in any portionles profemine receives a knowledge of the number of deaths in that pro-Spoint from Materia in general. We might, without this information, discover that platimer was more or loss froquent in certain girousstances, but the province tendency to an production other than other discover, can only be resolved by the congression to which we have shaled. This has been foreseen in the nemoir of Dr. Lombard, of Geneva, published in the same periodical for January, 1834; though even here the results are far less positive than would be feeledde, on recenst of the total mantice of persons engaged in each trade not laying been mentioned. This telephed and indefinigable pathologist founds his inductions on a still larger and in some property a more calculate collection of facts. He divides them into democrates. Plant. 1405 draws from phthinis, collected by bimself in the different hospitals of Paris, and contrasted with a table of general worthlife in the same professions, published by M. Villeme, but taken in eartheryear. Secondly, 636 cases in the general hospital of Handweg, arranged and contrasted as above. Thirdly, 572 phthisical cases in a hospital of Viction. Fourthly, the memoir of M. Beneiston de Cincomunal Falldy, 8829 deaths collected from the registers of General, of which 5003 were from philinter; giving an avening of 114 Scatter can of every 1000 deaths from discusses in general. This last directon is the most valuable, since it pressure ensperiels for the comparison we have already referred to. Dr. Lombard's researches are they fore founded on a total of 4300 deaths from philinis, and 54,372 individuals, exercising 220 different nonsymbous.

The tried source to which we would particularly refer is the interewing volume of Mr. Tinckrah, on The effects of Arts. Trades and Professions, Art, on Houth and Langersty. Its edition, London, 1832. This we believe in the only work of the limit published in England, and the reader will had as it much refemble information, and discover many proofs of the author's talent and someter. The extent of inexity which it embraces necessarily proclades these accurate manusithem. Furthern has along from the nation of the work, been only transferred at the of many stire formers to which one more forming and other classes are liable, and the active's patrological his for with regard to the nature and common of they demand, been becomidly bigged his recognition and majored by a minimum. He may, page 18, *No openia emits interpolaritorito possi mere ilun teriletim of the less-test ministers. Mark, I women, thought on the dor and Agrees of the partierns which owns me are take. The suct from the reads product a ne approved meshalf, while the summe's they peeps from the stead occasion sermed and after free treaty to the large." (Av. if an other and more important considerations shit not influence this entit.) "The fron front old fron, which is discovered an expension." as to disposit a title known layer as the ignorant tip straters of this erticle, preferes se inconvenience, while the loss apparent detrelament of particles from the file, is decidedly founds to the waders in from H is then the form subservine the measure, the specialist that augular, so pointed il promof the particles detached, which we concome the charf cases of the meny. The brooked residence is mechanically arrinted or wornhol; and from the shalp repetition of this urgery, the large or broads become mounty of sound, and a vest magarity day consumptions?"

With these impressions specified stand, such incommunities as to the ready active current of proteins will continue to proved, and many necless presenting moments by adopted. No emily conclusive resourches may be made under the unfactors of such perconceived, and we believe atronous symmets. There are other materials, of which we shall need consoless in the course of these remarks; they will be marriaged under the particular declines to which they are applicable. We shall now examine the evidence address on some of the most important influences resulting from different occupations.

Inflamme of Dari in the production of Phthinir.

No opinion has been more president, then that these who are exposed to the inhalation of the dest of regetable, mineral, or assemble substancies, are peculiarly liable to phthins, and on the supposition that consumption was essentially a disease of the large, and in the

great respectly of instruces the result of brouched inflammation, as conclusion was more natural or more probable. The reader current, we think, have immenally examined the evidence on the inference of boundatis, moure or chronic, in the production of phthinis, and suffected on the general deposition of inherentous matter which taken place is this disease, with many other circumstances attending its progress and invasion, and return his prehably provious opinion as to the influence of boundard influentian on pulmomry behavior. Once remove from the mind the impression of a necessary construes between beoactitis and subercles, and so feel persended that the exabilitation of the evidence brought forward on the subject of dust, will be minute to the consistion that this agent exerts of sood but a very recordary and assurpristed influence in the production of philians, compared with other cames to which we shall have occasion to refer. The question is far more than one of speculative interest, as it has already given one to the exercise of great twent and ingreatly, is investing means for the removal of an exit which by many has been regarded as the most fittal to which the marachet aring planter are liable. (Would that it were?) It is evident that a comparison of the mortality from consumption in a last of desty accupations, such as those of habers, clurcost men, green market porters, thread-rackets, critica-opinsons and regionaria (and we might have fixed on any other list; is attesty incupable of dending the predisputing influence of dust in the production of the disease. The other sylveness attending these accupations, which are admitted to be all more powerfully predisposing to mithinic, reduce the common element of dust to a mere cypher in the account. Some, working in the open sir; others, in close-levied recess; some actively employed, while others are confined to a sofermary accumution, due, fire, at once show how necessarily insecure all our results must be from each varying and complicated materials. As another general principle it may be advasced, that in a charge of perfider a charge of employment is included, and precisely no doot is evolved from hard substances, and is more or loss fee in its testine, the companion of the workman is sedentary, his pusture confined, and muscular exercise limited to the opper extremities. Now these last causes are admitted by all as most strangly produposing to pathinis (proved by their commution in

nonepations where that is not included), and we would ask why their influence should be dissimiled by the trescuce of annial amount. come, more consument, it is true, with our priorgeological often as to the sature of the domain, but which in not present in those occupations where the average meetality from philing in the highest? No evidence is more universally rited on this urbics; then the of Dr. Knight, of Shelleld (Vide North of England Mid. and Story Joseph, August. and November, 1930; It does indeed to take pages that the accupation of granting steel instruments, are ally trade to sharter We sad induce within . But, - shall a the explanation; but we think the conferent tranger freezed in its support trade to an opposite continuing. We find, to fact, that the granters pressure to the comexperiment of the last commercial as a selectify set of more at this time they empired an about trade in the country; worked in large upon tooms a practiced after departments, in boiling and forging, and were often meeths with only for or fee borrs week daily. They ease pursue their preferator or close recent, world matter better a day, and are allowy analoud in granding. The small posture is with the shoulders rivered, the ribuse porting on the faces, and the body instead fewerls. It is an interesting though painful absorption that the cost distinct regimes the the largest? (That inflower must by fixed indical which makes you a present floughbourg life it. The siene observer states, that out of Will workers employed in polishing speed, \$54 hard admin affordation; while in on equal manders of workings. pararing other acceptaints in minjunction with paraling, 16 only were affected. There was not an example of a polisher of forks peaching his thirty-nixth year. Magnett, why mashe, corrects of all and against, have been accommissing third for the propert of arresting the metalic particles, but the emphalty has not been discreteful.

By a supposed to not to be commisced that the influence of dust has been been early operated, and blinded observers to the supleyment of surate extended to counteract the real sources of the evil is question. M. Parent Duchstellet, in an interesting memoir on the effects of februre on the workness [Vide As. of Hyg. Pub., April, 1829; finished on an accounter enameration of \$518 individuals coupleyed in the different manufacturies of France, and who are supposed to the interation of irritating sugetable particles, found that they were not at-

all possible fields to shoot reflections, and that their general health depended so the quality of the first and the needing of born they were employed. It will be seen also, in the work of Mr. Thackrah, that shill/en, comparatively, do not refler in desty occupations; this he attributes to the greater force of the pubelism was, and their for-Kability to take position for element. Pages porce the latter operior to be incorrect; the difference is therefore depending on some other cause. The results also of MM. Bosolston and Londard, p. Sun. vi. and st.), on. the relative influence of mineral, vegetable and annual particles are exactly the inverse of each offsire? the former making animal particlos the most projectional, and mineral the least a the latter giving a very large proportion in favor of the minimal particles (277 per 1000 deade). courtle arinal. Let the reader compare these letterogeneous profussions, which are reagregated together for the purpose of arriving at these semits, and he will at least whall that if true in the elatract, they are far from being demonstrated. It is also but fair to notice that M. Branisten, while he finds the proportion of deaths from phthins rather more considerable in sevingations involving as air charged with seized perfects, yet the everage essentity of all the different professions whose the influence of dest, so present, is not greater thus the peneral average for occupations not exposed to this additional incurrencement. From the researches of Dec. Young, Lebino and Aline, a world appear that stone-matters are possibility liable to phthisis. It must however, he revallented, that comparetirely few post-morters executations have been saide for the purpose. of determing the question, and that the appearances mentioned by Dr. Alises in his submide paper, are pather those of inflammation than takerds. Were the entitlency of inherentar distance assumined, the influence of that is he production is still undersited. The land natures of the national, the partial exercise of the healy, exposure to emetics of temperature, balats of intemperature, &c., probably norm a more practiful industrie. We find, in fact, (Vide Bearings, page 27), that and of 887 querry-corn, 551 stone-cutters, and 60 analde-workers, the proportion of pithing was less than the general seerage. In a department of France (Memores) colebrated for the

[&]quot;From this abliance in the cases of Personal General - H. L. R.

Submittation of mill-stones, in a period of automore years an increase. of mertality from phthics, remound with other departments where this sometimes was not grown), could be detected. M. This lyalalso forest and limbelity to picthing (which sould be completed to thememployment, in plactures, torons, line-sentrar and whitewardows, Let us terminate these amories by ming the constraint to which Dr. Lendard agrees by a review of the odals of his from (00), via., that the indiscrees which modely the gallen in grainal, and as a solvetary life, &c. &c., we now across in the production of phthose than these acting feedly spee the Louis, or dust, expert, & r.; and if we reflect that the father agents are never proved hald productly of the Source, their real training or carries of palesmapy inhorder is at Best fait professional. Days includes an interior many degree appoint. to the opinion of Br. Clarks, in his admirable every already sologied. to, but that dimingended, observer, about that " is about story in-(inth to planthoughts) comes of broops are enough off shuth fully adequate to the positioner of the industrial or on local,"

We refer the reader to the commit normal to full information; see object or these remarks in to receive that eithed connection or generally prevalent, as to the influence of a fixed remark in the production of photons. We again say, that the native of the domain is a prompted by print regressest against the influence of their of my description, and that the direction beliefly gives to our episions and provention measures has tended to directly gives to our episions and provention of some expectable and more cause. We assume the absorption of some expectable and more cause. We assume that the absorption of some in reference to particle. The processes who have the boundaries of site of against the boundaries of direction, and and probably shows a some or low reports. It is not, therefore, any which to the more of the section by which the more consistence may be distincted, but to proceed that are remarked to the distinction, but to proceed that are remarked to all indicates, but to proceed that are remarked to the action of particles of the distinction, but to proceed that are remarked to action open the particles of creations and an absorption has been proceed to be remarked to the action open the particles of creating and between the particles are remarked to the action open the particles of the particles are also believed to be action of the particles are also believed to the particles are al

Influence of Mainter.

The endence in this majorit is perhaps some uniform and constantory than on any others, and tands alongly to depose the followy of

theoretical opinion. Tarmer, dyers, woolincourses, brewers, westerwomen, and many other occupations in which the upper or lower extremittee are exposed to wer, and the air charged with approxivapore, present fewer carry of communities than almost my others. The testimony of Mr. Trackrah and Dr. Lombard on this subject is maximum, and M. Benoudor is only in contradiction with regard to the washerwomen of Paris, who, as The Landond observes, parise their occupation under poculiar circumstances, and on that account. offer no enterior for the same employment in other countries. Brickmakers (Tinckesh) who week half naked and with their ham feet in public all day, are not more liable to thoracs affections than penwhose occupations is under cores, and dry. Lungevity is common. M. Parent Dachstelet, states /Jun. of Hyg. July, 1830; that " debutdescrib of Paris, or those who are suployed in removing the wood for feel from the river, where it is floated down in rafts, and who spend the greater part of the day amin'y all the year event, with their legs insmerced in the water, are few fields to clear affections than the emperity of workmen, and their general health to remarkably good. These researches any founded on the personal examination of 150 men, who are constantly pursuing this occupation. This strikingly consider with the very general opinion that consumption in cure in marshy districts. A general practiceous at Swinsshead in Lincolnshing, has seen only two cases in sixtness years. Dr. Harrison of Harrison let, in the same county [Vide Abd. and Phys. Josep, h vin page 235, 1809), confidently macro that consumption is less frequent to the mursky districts, thus in other parts of her neighborhood. Cases occurring in a dry situation were charled by a recount to one purresided by fees. The ingenious and accuente Dr. Wells (Vide Those Soc. Med. Chir. vol. in juge 474. Lond, 1812,) brings forward a variety of absorvations on this assignit. He attempts to prove that the causes of intermittents induce a state of constitution which is a protection from consumption, and says that in countries where one prevails the other is always absent, so at feast much less prevalent. He recommends shidren, predisposed to consumption, to be sent to achoods in francy discouts, or to universities in Bolland. Mortris, Rantin, Rush, Scotley, and others, decidedly recommend a dey stimets, but their advice seems principally founded on theoretical

views. Compared with the stationard results in which we have alluded, the evidence of De, Wells and others in not estimat consulerable interest, and incorried details from the murshy districts of England would be highly desirable. The effect of montare as consemption may also be indirectly defected, by considering the inflasace of opposite conditions, viz.,

A Dey and Hot Atmosphere.

Dr. Lemberd, (Alan, Jan. 1824), in 244 deaths among presents expered to this influence, as enamellers, the univers, exciters and founders," fools the average of pirtiess some than dealer that of the perceding class. The feet was 33 per 1990, the last 127. He also therein that in certain companions, as in those of watchmakers, jewelless, and guidenzio, the executity from philosor may in part be attributed to the bot and dry atmosphere to which they are expected. Mr. Thurkesh, my discretize found, from the observation of congueryfrom the employed in the depleases of cloth, in eaguing cloth, staff pressure, calculators, glass morkous, statute, ious familese, pany of whom are constantly exposed to auditor changes of temperature, did not find my peculiar prolisposmen in personal affections, nor any prevalence of those complicate an emissionly attributed to this cause. It will be recollected that werkeren in these departs secute are generally subject to great manufact exercise and almost constant activity of the cutumous facilities.

Asimal Emmatrons.

There is but one opinion on this subject, wir., that individuals exposed to their influence are less liable than others to communities. Butchers, tunners, leather decrees, vanille anisons, nature, comploiters, knurkers, or those engaged or killing and criting up dead horses (Valo Lond. Med. and Phys. Journ., vol. 11.), men employed in the dissecting resease, in exhaustions, engut makers (Laborrapse).

^{*} Out of forey-error deaths not post tens from plobasis, which Dr. Levelver!

nightness, are mentioned without any emeption, as emplying a high chandant of health and freedom from putmining complaints.

Vegetable Essentium.

Those who work in the open his as agriculturitis, gardeners, floridaand who are liable to contactions from thing plants, are decidedly among the most leading. The occupation of crusting rape and nontical and appears monitarly floridate, (Whitchinh, page 58). Starch unkers, bakers, &c., who are a quincil to the effects of vegetable fermionisties do not appear affects it, and from the interesting reresection of M. Parent du Chamiet and M. Gioden or due of Higs-Pak, March, 1972, on the uncertaint of that, it is probable that many of our generally monited opinions respecting the influence of vegeinite decomposition on bealth are converses.

Minural Enmettime.

The evidence relative to mercumit vapors is very contradictory, and marficient to determine their real influence in the production of pathinis. At Geneva, platinis sureng gibber is save; at Paris it appears frequent. The effects of lead, assistancy, &c., while they not powerfully on the necessar and digestive spacers do not appear to predispose to platinis. The tendency of metallic famous to produce accordance symptoms and that of mercuny to maintain an advances state of the fluids, would both militate theoretically against their forceing tobescales deposition.

Influence of Impure Air.

Dr. Lombard, by a comparison of all the preferences carried on in the open six or in weekshops, found the proportion of deaths from phthasis should among the latter, and this proportion increased on the sportments were close, narrow, and imperfectly versilated. Other facts, however, presentlat an impure stansphere, when not associated with other deletences influences, cannot be organized as possilarly predisposing to pirkins. In No. 107 of the Edin Med. and Surg. Journal there is an infoliating paper by Mr. Watson, surgeon of Washekhead, a mining district. After an experience of fifteen

yours, he combine that miners one set more like to philosothan others. He gives in account of \$1 may, working storing four of five months, So sigteen home duly, is a mine where a carelle barried with defencity. Notices was student with any minutery off-man, The terrage districtly energy the course was from their strong too other adolerants. In Jacobs of Way, Pok., Oct. 1829, M. Pergut. Deplaced to the a usual rate of the brain of 52 works as seeplayed in classical the servers of Perso. Their agra second between recommendate ties, and the last proved the account from ris mouth to filtrate years. Not one become philanocker presented say three effection. Collises do see appear little to plating, and though among agreem of morning latertiest with the greatest Acades, moremption does not seem to preced. By Puriou, in his poses in Larence, eage, that the green manuage of marrier in Comman are tisstrength by channel browniste. If consequence is rare under these community it would be a mixing confirmation of M. Lotic's epiterons on the domina taken of broughter and integrate.

behaves of an derive Life in the Open Air.

On this point is more to exclusive the consistent of companions intuiting these two extentions are conserved by every elements, he present a condensation properties of reductions allocated by philings than my values. Including, becomes, content, assessment, entirely, company grouposity & a., may be a cond-

Influence of a Solientary Life, with a confined posters of the Body.

Of all the range which were covering some in the present and philosop, the appears the consequently and information or most some in the last matter when a manufact the present matter of the individual of the present matter temperature of the constraint of the individual or energy other temperature in the matter temperature in product and the present one presenting to the Landson Landson of the present of the

more or less muscular exercise cutain ecdentary occupations require. As a general rule also, solestery employments are more fatal awang weren thus men. Tellors, shoe-builers, shoemakers, milliowes, Intermitters, printers, engravers, jewellers, watchnakers, clerks, &c. Acc, may be more particularly expanded us the victims of phthies i. and in our manufacturies, there is no doubt that a far greater mander of converging patients in produced by the want of exceeding and a nominal posture of the body, thus by those special and in general focal influences to which the disease has been so often errorseously attributed. It will be all once seen to what an extensive portion of our population, both in the middle and lower classes, those remarks are applicable, and exacepositly the inverses importance of being aware of the first tendency of an influence, which has been often nerrlooked or regarded as accoming to other causes which perhaps may new he considered as comparatively inert. The increased mortality among females arises not only from their being principally exposed. to the influences we are considering, but from their great privations on account of their disciolated wages, doe, and other bodily derangements peculianto the sex. The another of hours the workness are employed, the time allotted for their meals, and the quality of their food, no doubt powerfully modify the results, but we have no positive justiciantion by which we may define the extent of these influences. There is one conclusion in Dr. Lombard's memoir, which may perkeps be illustrative of the influence of food, six., that the paper clauses are teen as liable to githing as those in easy circumstances. It is franced aport comparing the number of professions which are above or below the peneral energy to either divotor, and since actionary labbuard a confeed postage of the body are more or loss common to all, this great difference in the frequency of phthisis, may in part. at least be stimbused to facil.

There fore not appear to be mry francistion for the opinion that occupations requiring sinfrast correies of the appear extraoidles, can those of backsmiths, are yets, locksmiths, doe, precliment to phthinic.

Envise of the Vocal Organs.

M. Benoiston was sally able to collect 24 examples of occupations involving this condition, and among those those was no peculiar tendency.

to abithing (Jun. of Hig., July, 1831. Dr. Lombard fully anadyms this result. Out of 254 deaths, and other selections irra, premium, profess. was, harmon, more and allines, the metalog from this may only 25 per 1000 scatte, while we have already stated that the genreal arrange from all professions understanding was 114. The exercise theoretics of that hand original to be infront enther than an prices. The reader more not deput that we are considering the activity of different influences in the Archipectal of Astonica, not their effects on individuals who are strong referred on a sed chinegis. for the nate of benefit, we have often remated to the sample form of neertion, the preceding remeths are based open a very large series of observations, collected by different interrups, and not not to be confounded with the immunerable vegus and substaints witness. which we find scattered through the various manageache oughthing. The acceptity for examining a large mass of facts, and receiting a variety of professions in which the influence of sump summer popcition may be traced, pract be apparent to sit. An estimate of accessary cames may interfere with security conclusions, when bounding our examination to particular commitment but the errors to which our details are always poon at tree liable, are corrected by a greater extent and variety of materials. It is to the partial phasevation of particular facts that we may attribute the controlletory miture of the embrace on the causes of convention.

In concluding our remarks again the reflection of professions on philian, we will briefly enumerate these general causes which may be regarded as injurious or promounts.

Influences which predispose to Phillipse

Let. A nederitary life, some experimity when assumined with a confined posture of the body. 2d. Bud spalety or inself-cent quantity of feed. 2d. The impure as of weekships. 4th, A fry said his stranphore, with a variety of mineral and segretable emissions; the effects of which, however, independently of those indiscusses should stated, are far from being proved. 5th. The anima of different kinds of dust, the scenity of utach, like the proceding, is in all probability very purch loss than has been higherte supposed.

Proposition Inflormer.

Let, Mercular expectate in the upon sir. 2d. An air charged with serinal restrictions. 3d. Meisters. 4th. Executor of the excal organs. 5th. Namitee Sold.

The assemble practical deduction from the freegoing details at, that confined addition; employment, a confined pasture of the body, and the want of air, exercise; and wholesause final, are the unassembly propositionally as the large, and which have always from regarded as most deleterious, are supported with comparative asparity, when dissense classed from these we have first encounterly.

There are few each which migrat at least to unigeted, if not avoided, where we have accurate ideas of the custom which produce then; and the means to be adopted for diminishing the victim to communition, are at some indicated by the imprection of the forepoint details. It is ovident that the attention of observers has been too truck directed to what may be considered rather as accidental, and, in many cases, indeportant accompanishers, than in the really active and efficient causes of phthiets. The registers of mortality proce that our prophylactic measures have hitherto failed; the majoin therefore dentada maywood samitigation, and its wait imporname entities it to our most serious attention. The infente subdistributed below which the increasing and applical wants of anisty probes, is daily unliplying the neurons of phthins, and without adming acres offertual provention accourage, this final ecourge upon the manufacturing and remainded prosperity of England, will assoally extend its benefit influence. In what these presenties measeres must consist to to really effectual, we shall beintly point not in nur remarks on treatment.

Leftweet of Climate.

On no subject his more been written or less satisfactory incloses, non-been obtained; the ideas of a changeable chimate and platiniss seem almost inseparable, and more particularly with suspect to

England, assemptive has been regarded as and of these accounty. imbgroom and to which, as a such, we are invitably decord. if, agreeser, we reduct that no climate in except Som parties, that in the numbers and formal somes it is for here personal there is the source temperate regions of the plobe; that in the same obligate its geliative prevalence arming particular clauses of individuals in immunosity difforest) that in countries when this down is not onelly frequent, there who are dead expected to its informer, are presently those must expoint to the rectantial to of the chanted are execut but explain that the importance of the lume in the purchasine of phrhitisfing been much respected and for the community countered. Its nature in the bosons from most be educated to be extremely encycles; the unapper would, as Dr. Codanii cays, writing vite dy from the conhiped operation of food, light, electricity, atmospheric pressure, the papers manifest arrive from the well, and the productions, orgaand and meanly renorthmore the first of man, but perdently of these numerous considerations, the grand and, in our opinion, next reportant inflorous of phelicollar sendors for approximate of clients. prestail) definely and the ample importance research in different common, from as to admir, that the most estable climates, notwithining the disclosures beneat to their see the anafrom the absorper of the cores body and metal powers. Common than amountment on more bounded than isjured by this state of the weither and remove, as in filter trated in the releast frames, mental activity, and the largerety of their infultitions. The physical and meral condition of the British-Isles, Dennigh, Sweden, and the more continental formers of Westem Europic Personations that fact. In our country itse the manufacfines than in England, or the ministracts, covered as a community, more reliest, and if anote those circumstrooms, a distance of the nature and character of phthicis is found to present, and no frequency. eas he traced to purioniar classes of individuals, evalually exposed to inflances which are in our was depending on the disease of the country they infialls, its providence must measured be anythed to other crases, and not arrelated to what has been too early whatted as a powerful agout in tabercular domain. The reader must not mistake the epost of our country, or suppose that we are dearing the

inflorace of a changuable clusice on delicate predisposed constitutions ; less are we agreered of the fact that the midden change from a hat to a mild elimite is frequently followed by primmary consumption, for we are a suply examine the normal tendency of a particular climate, abinuscioily considered, to induce teleconius disease in those labitually industrial to its influence; and after personny the works at Clarke, Young, Lannaux, Mosely, Beddorn, Wells, Sorting, and Pattergal, we have not been able to collect any conclusive evidence upon the subject. All exhaulations where the accountions, food, bubits, &c., of the inhabitants are not duly considered, may be regarded as negative : for, having once demonstrated that the manimum of liability to pithies in a country like England, is found arrangthose least in contact with the variations of its climate, the inflarace of the latter most be regarded as exceptibly to the action of consess, without the previous agency of which it would have been conguestively if not wholly inert. We are madde to finur the reader with may positive evidence on the relative frequency of phthinis on the sea. court or inland; remotions distails and exact appreciation of the changes in food, occupation, &c., which one or the other involves, would be recessary for the solution of this important question. The most centralictory opinions have been entermined, and in the penaest state of our inowledge we prefer mowing our ignorance, to the expression of an epision which you have little also for its support thus theoretical assumption. The observation by Dr. Reals, that plithists is miknown assurp the Indians of North America and very uncommun among the columns in the first stage of civilization, is must interesting, and highly continuatory of the proceding remails; we are much surfaced to believe that were the influence of climate oucountried with all other causes, the arrivity of which is incontestable, is the present state of our evidence it would not adout of demonstration, and that in England the prevalence of philinis is away to the requirements of fashing and commerce, rather than the consequence of our much calammated climate.

Contagins of Phikists.

This question is decided in the affirmative by the majority of authors, from Anistotic down to modern times; we have not, how-

true, name able to policet the nightout natiofactory evidence in flows of the conclusion, but have waded through a mass of manapless and after absent facts, which are make points identified of the applicably of nearly of the most divinguished remarked of their profession, that data to repoint the domina of any picke-pictal negative. The difficulty of determining the conference matter of a domine so prevalent as picture, is may give, and the manufact of flow assuming the data are picture, as may give, and the manufact of flow assuming the offer any decipies upon the neighbor, we may remain, that the pathology of the dimension is program and reserve, when compared with what we know relation to dominant whom consequences are applied to their tree data.

To the amount of the hombers (page 10), orthodoxic in the eight in Brightels and also where, we approachly closed to the loss of Greenes, Verma, and Hardwork, or account these with one result appear to philosom. When had in not easily recovered with the whole of contegrer. The experimental explores also of facilities, Young, Karral and Portio, as more discount than any which has been added on the opposite wide. Whenever doubt exists, the polarious positionary will of some statement and all amounts of any statement wet there are partitional arranged in the contesting of any state of contesting to produce the presentation of the autocolours of delicate, presented and discounts the presentation of the autocolours of delicate, presented and discounts the presentation of the autocolours of delicate, president and discounts the presentation of the autocolours.

Do, W., Pittip, or her valuable attrements on the engagement of married chance of memory, page 57, another decayly on the address of region of him engagement the posture of finding to the country of the memory of page 57, and anything to the engagement of the natural of the memory his memory one explains are of the entropy, and might with contents be prevented by presenting the reflection of the invitation, because the memory which country the effective of the invitation by the larger but construct a information readers it highly produce that draw ground in the eigenface facetons is a principle and frequent country of philade, as included in every influence which interferes which any of the appropriate facetons of the body, through their the absent constabily more than of the absent production the engagement of the page many taborries, the areas

mostly preferringers of gustric sour thorsels symptoms, and more particularly the special elementer of the absorbers observed in the liver and dignative take, and their dependence on the state of the pelmonary organs, it is to be presumed, that the disset inflavore of lifture complaints to communities has been overested, and that the accordary effects of tubercomes in the large base been often regarded as the causes of those polaromary symptoms, which are frequently so intent in their character and tarriy in their numberstoom.

If his how generally supposed that the amount exerted a powerful influence on the containty from this disease, and the Hippowskie opinion of the fitti influence of account has penerally povalled. The only insurried details we have been able to collect are in the mensoir of M. Bennistin priors of Higg. July, 1931, p. 195. Oct of 12,668 district from philance, occurring at Million Paris, and in the energianding country, the proportion in the different system was as follows:—

These results are almost negative; the question is still undenced, and it is more than probable that the minds is sich country will carr with the local problemates of the clumbs.

We do not intend econyping the resist's attention by the consequences of the long time of supposed causes of philoso, hologong that it is for better to be ignorant of the course of a discuss, and to even this ignorance, that is refer it alightly and waters proof to the action of influences which in no miss committee to its production. In the large metasus we are wandering in the shift, exciting annecessary flant, and giving unders if not disagrees affects while by withholding our decision, we remain as it were on the definition, and seven that onto of mind which is financials to the mentic and decision, the remain is financials to the mentic and decision, the financial of my positive evidence address in their support; and it is so much emiss to use the authority of masses that that of facts, and to conside in the operation of others rather than test from validity, that it is not difficult to trave the introde of

show array and shorpletics by which modeline is an emerged and remodel. We break of investigation has more extremonly address that the tredestry to which we are allowing, then there is the many of discusse. Prejudice, constitutes, and system have provedly labored to their creation, and as at the delicate tree of the resonant appears, to come touch from the code are among a second amount by these present in the code agreets. The contract, havever, of the trapary is become, and if present with an other intention that the discussive of treet, we are an amount of any harvestody, but send a local arterior to the discussion of the state of

111

TREADMENT OF POTOLSON

O'Con a Papping you can be a considered and a considered

To the following constraints that not an above the fact that is a property to the restrict of consequent to the formation of consequent to the formation of the restrict of the major produces preservative and reservative that is a property to the following because the following the servative and reservative and reserv

Particlegy would indeed to an and and transition where of all its early lay have do all experiences of the former, and were don't have material with the former may, containing, of editionally recommend the

employment of our therapeutical agents. Its legitimate object is the cere of disease, and though perhaps meser conducting us to the discovery of specifics, it must necessarily bend to define those conditions. against which our remotive are directed, and shorld to from that painful and injurious trocertainty, areareably attending our agreement of the seat and nature of disease. Exactly in proportion as pathalogical knowledge has advanced, samplicity of treatment has prevailed. The complicated formalis of a disc, superstitions and funcifid physiology, are repully yielding to the more simple invisitions of positive knowledge, and at the prevent moment, perhaps there is no surer criterion of our deficient information as to the real minute of any particular affection, then the variety and complex character of the menny which are prepared for its evey. The most increable disenses abound most in specifics, and on the substratum of our ignorance, preservations accumulate with currental espicits. No discuss more strongly illustrates the truth of those remarks than phthisis. It has constantly been the sixten of phornarogenal experiment, while in recent swearches we can alone discourrant accuste ideas as to the manuse and sext.

From an impactful review of the numerous details scattered through the course of this rolline, we feel justified in concluding,

That phthick, though generally conversing in the large, cannot be regarded merely as a local disease of these organs, but deposals on some constitutional bendency possiting from the improvious of causes which repectally must upon the general bradit, and the moor or less protougus influence of which terminates in the formation of tabercles.

That while certain constantions from naturalistic or other causes, are possiblely liable to this termination, yet that assess or exempt or meapphie of becoming teleproteins, and from the nature of the causes, the assistmently of the finition, and the rankty of argume in which taberceins deposit taken place, it causes be regarded as a specific, but as an almost physiological and necessary consequence of the source as less probanged application of influences, which assesses with the normal doubleage of the matrices functions of the body.

That no age is a sugge from submodule formation.

That is children babercies in general occupy a greater transfer of

organic than or the adult, and use not, no in the own after the age of follow, aroundly first deposited to the image.

That a predisposition to philines may count an indefinite period of that, but under these assummantar the action of almost any induence interfering with the general health, may give rise to tubescular depelopment.

That believides may remain believe in this larger, and with the exception of those unitances in which they are repully developed, frequently do not in these credit state, and even accommonly when melicand (rate cames of larger picture), give now to characteristic constitutional symptoms.

This the number of organs affected, and the extent of telescolar deposition in the large, any be regarded as in present proportionate to the predisposition previously execute, but that in many cases of acute phthisis, the large may be extraordely telescolated as well as the other organs, while in many subscript and long protracted cases, the portion of the parameter times which is effected, and the amount of telescolar deposition parametry, may be immenderable.

That follows bearing only be at coor terreted in the form to which the term "inhercle" is mently applied, but that is the leaguespecially, and occasionally in the object organs, some presions poslifications of structure electry which may be regarded as pollowingly steps to the formation of telescoies, and depending on the same illuthesis.

That no immerestible evidence exists to prove the absorption of taboreles in the longs; but the penning of continents deposit, and the lastory of many individual cases, render the fact highly prohabor.

That tabercular excensions are equal/s of cure independently of all medical sid.

That the softening of tabencles is the large is usually accompanied with both local and generally inflammatory symptoms, and that the progress and duration of the disease are subject to incidedable variations, depending on constitutional pocularities and the condition of the other organs.

That the leasons of the Algesties take are the most frequent and important after those of the lungs. That the number and export of the soccosiny leaves are proportionate to the regiones and dentation of the februle excitoment, and that several of these numbel alterations are equally characteristic of philisis with the more premieron organic modifications of the pultionary organs.

Lastly, we believe in common with Dr. Clarke, and many other particle particle, that the rest varies of tabercies is a marked condition of the period system, hereditary to some, and in others induced by a nation of functional demagnments, eliminarly affecting the whole animal occupanty.

By would be easy to conserve other pathological peralimities of phthons, but many of them have already been insented upon in the course of the week, and our object at the present moment is emgly to justify the grand therapeutical deduction, that is the one of noncomplian our principal reliance must be placed upon greated rather than beed measures; to the latter attention has hitherto been for too exclusively directed.

We have already contributed, that the nature of the really active reases of pitting entitingly confirms the concionous we have drawn from the commitment of its puttinger, and we shall now briefly afvert to mean of those practical inferences which result from their requirements.

Among the road filled and generally action causes of phinons as an amondicioning and other circus, an ordestary occupation and a comment protect of the last. It mode no organizate show how they are to be montaned of. The arthmost, whose employment expresses the following representation of the arthmost of the manufact of house he is married to the open me, he mustimed in our number of house he is married, and more be attended enforcingly to follow any one occupation which are presented ins one shown will almost investably shorten by the and tensors in particular the shortestably parent other deposits only for both or protecting our opposite conditions for the married system; and it is some (to instense his married destroying to expect a consist or the married system; and or to be in the more the protecting and and his general married may be due to the source of the married or to the supplying them as such as in insecure expense of leasant life, and

still have be mad applicable only inferring regarding. Which, if not should not explicate the second of the inferred.

In all ser-monafactories where obsiders are employed, gymnous should be employed, and some show accommon from their employed and ordereday posterior be district to active and unbideness teaments. Hotel should be provided by provided, by which not only described and let it money be degeneral than their ordered of the ship sanger exist, and let it money be degeneral that choicy does not only consist as formating an anythm to would be writtened contain of contains to wants may expert, or to providing the accordance of contains to which some temporary relief to his inflating may be affected, but in supposeing has with our own when in builtly sink in the subfraction of two palaratic to provide them with, to which he is now, any often morehally accord.

The importance and extend of our constitutions of these areas which injuriously affect their general health, and the theoretics to our must review attending to the chick reference to the continue has been brought forward to prove that them conserve which has bettern been put in force for distributing their indiction to picking, our copyr he administrated with our while the for our father of a schooling tick and marked with our while the for our father of a schooling tick and marked propose of the body one contract. These remarks are expedite applicable to a variety of although the not probable as a surely of other makes not probable, not in any only at the probable to a variety of all other to the probable and make states to the probable of infrarbooks and minimum convention makes and at one to the probable of infrarbooks are made in the probable of infrarbooks are made in the probable of the probable of infrarbooks are made in the probable of the probable of infrarbooks are made to the probable of the probable of infrarbooks are made to the probable of the probable of

From what has precised, we may deduce the agreement randomy of every though which can interfere with the free action of the large, such as considerable and does, the appropriate of constant every plantaments, protracted from at early, and the attention of all free and occurate and exercise on the speciality of taken may be added later horse, mountaining final, and a remoty of taken density, by which greatestly to purchased at the expression of famility and a state of uses attention than all which the copyrions of famility and a state of uses attention than all which the may be expressed.

The greater liability of remon to philiter is an almost sections

consequence of the treth of the preceding someths, and should increase our mulcitade, some constrainty where any predisposition exists, early to outlook our preservative measures.

Press the evidence which has been address relative to the effects of moisture, the utility of aqueous vapors whenever the werkman is exposed to a day and heated atmosphere, may be fairly deduced, and on similar grounds the reflection of a maiet cluster in preference to our of an apposite description, would be justified. The same consideration would also point out the superiority of a residence on the macoust i always supposing that other important considerations, such as temperature, exposure, &c., have not been concluded.

The influence of impure oil, while evidently less than has been generally supposed, is still very smaller under particular circumstances, and points out the advantages of strict successor to restillations, the necessity of fully and required workshops, and the houd-size of crowding too many into the same spartners.

Another and most important deduction in the benefit that would result from a sufficiently early change of ecopation in those cases (and they from the great respectly), where freedom from labor, and removal to a warm climate are impossible, and where death is inevitable if the injunces employment is communed. Those occupations where the individuals are exposed to most or into massing evertion, particularly in the open six, to animal remaintens and moisture, as for metance, gardeness, ploughours, batchers, concluses, tanners, excitation, and recoil constitute one of our principal passences in the treatment of phthissis smoons the lower classes.

We again say that to be effectual, it is against those influences, the direct tradency of which is to induce that state of the constitution which precedes the development of inducedes, that our prophylactic treatment must be directed; they are to be moved us the essential course of phthicis, the real sources of the activity of those secondary against to whose influence tos exclusive attention has been given. "Consumption may be regarded," may the warm and philarmroupe Boddoes, "as a vast pit-full situated on the high road of life, which we have not some assuight of our consume interest to agree to full up, or fence round," and it will still gape for its vicuous

until our preservative measures are guided by more asserts knowledge of the senses and nature of the disease. "There is certainly no polymo," says Dr. Clarke, " consected with health, which processes greater clause to the attention of the inhabitants of this country, than that which relates to the causes and nature of that class of discuses. of which consusption is one of the most frequent and most final form. Until we arrive at a mainledge of the state of the system, which hads to the formation of substrate, and of the aircumstance. which indices this state, we carrol hope to establish prior for the prevention of communities upon are sound principles." We larm already expressed our connection of the inefficiency of our caraties measures in the great enjoying of instances after pulmonary belowdesare formed; prophylactic treatment is therefore unusually important, and we do not heritate to say, in the provention of a disease like phthiais, would be inviscally accounted. In what it ought to consist, the pathology and causes of the circuse at once point out, while its selection must be guided by the infinished peculiarities of the case. In proportion as produposition exists, more particularly when assaciated with the position liability of next, the greater the necessity for an early and systematic employment of all those means by which the general health may be supported and improved. They comist in air, premier, faid, cheling, sharps of climate and of acceptation, the use of boths, and attention to the functions of the skin and bowels generally, with the avoidance of all those habits and influences which toud in any way to counterest the object we have in view, vie., increasing the lose and vigor of the constitution. While in the cost majority of instances our preservative freatment care only by partially enforced, putthere are few cases in which much good might not be effected when fully aware of its power, and we first it impossible to insist too strongly agon the immensy importance of advantagement for the prevalun of philipse, belowing that in the presentable of our knowledge, they are alone capable of automally lessoning the firtal rarages of this ecourge. of covilized man, and of England in particular,

We shall now take a brief survey of those moons which have been recommended by the majority of notices after politiciary takerdes are formed; emmonating them individually, and extending their application to the different periods of the disease, leaving the apprecontion of their relative value and observe of combination to the pulgment of the reader. Our object at the present paramet is the accusulation of materials for treatment, not their adaptation to may president norms we may correctnes extention.

The author period of philips is usually characterised by a day cough, clear expenteration, passe in the phost, has approximately factic, recovered regulatity to cold, more or less emeration, and more medicinies of the respirators terminal and presented in the apper parties of the chirst. It is in this stage of the downer that we have the algost arraying notineary of rations, from Hypocrates downwards, in faces of a milk and a repotable dist; and if we consides the tendency to and is general prosume of felmie excitement, with the frequency of gustionintentical decongruent in this affection, the advantages connected with such a diet, as a general principle, can scarcely be noticated. There are, however, many cases (more particularly when the acropholous constitution productionarce, where animal food and moderate quantities of such liquor and wine might be advantageously substituted; but these use exceptional cases, and do not negative the united tectament of the most judicious and practical. of our writers, in favor of a pulk and regetable diet. M. Broussian (Vide Phlog, Chran, vol. ii. page 361), mblucca some sinking exidemo in favor of the selventages resulting from limiting the patient to two pasts of sale, with from two to eight courses of hered daily, during six weeks or two months. In the manuples mentioned, the symptoms were acute, recent, occurring in adults, and giving every remon to anaport (Local exceptores are not mentioned) tolorcular deposition. In all, the result was most estimartary. Ass's and goes's milk may be tried, should near's dangerer; the latter, however, may in not case he restrict agenths by boling, - many 2 with small quantities of floor, line water, soils water, successful atom (Heffman doubled arountic water (Recesses) &c. Should it still disagree, we may by light booths, animal jellies, geletimous food in general; various preparations of rice and flour, aggs, bettermik; opiness have been also highly recommended, and may occasionally rary the dist of phthinical potients. No distinct rules can be laid down; our object is to through the gatient, at the least possible expense of his organs, studiously proiding every thing which atmalates the excellation and induces that store of the system which would be flaterable to telementic softening. It is a rideral that in percentar excellentations in both them indications may be fulfilled by a set of a very opposite description, and title more size by said, then that in proposition as the symptoms are more, and the countricities electrons and irritable, must the disk be said and among. In the sums advanced engine of the disease the engine of the disease organic erect be one principal aromain. For the quality and quartity of inspects.

Attention to clothing in very important. It is said to warm inproperties to the debutey of the powers, and the transpositive to which he is exposed. Plannel, and where this nature to great continu, leather should be worn next the store. The first should be wornly still securely defended, and females should server expose what arms and sheet to the six, or easy the warmth or their three at particular boom of the day. The such righting must be equally avoided, purticularly where there is such tentionly to perquiration, and at right it may in general be obviously to submittee collect for flamed as coresponded by Dr. Burkey.

Entrem in the sport air should be reparted as one of the most. constituted currency measures, and must not be expensioned, as in the often the case, from the dread of taking rold cost heat access against this complication consists in regular and linkingd consecutivity the atmospheric changes around us. By symper circling, and armiing extrems of biosperature, merpical cases of physics may be adentrageomic reposed to the open air- All course entering windown bridge to problems the constitution, and the course begins, should be storided. On few subjects could each negligible embassible addrawd, as on the bounds resulting from hour enough in philipse. The practical Sydenham purest his whire retining from it, and recommends paguage of some mentile undertaken to this way. The patient, he pays, should almost live on increbach, and agreeting to the squaretion, he thinks of greater importance than rules of diet. Dr. Buth is equally convinced of the officiery of latter and late and markly laring cared several who were laboring scales the symposius of confirmed plahing, by advising them to become postmen. Hassel, Micryst, Margagui, Mandy, Beldana, and more recently Dra. General and Stalies, all agree in its occasional efficacy, when sufficiently perservered in. Stall has isomerized that it is injurious; and Dr. Ducken has advanted its discontinuous when beetle symptoms are present. Without doubt like all other receding, it requires discrimination; in the more advanced suggested the charmer, and indeed, wherever great weakness and ensectation are persent, it would pechalicly be injurious, and may then be advantagemently regiment by correspondent to rejective, which is foregreenly the only plan in our power to adopt. The patient, says Dr. Graces, about 80 at least from four to fine became day in the open sit. You Switzers was in the habit of recommending his patients to turn concluses.

On the officery of arraging there is some controlletely evidence, but from the terrimenty of Dr. Carrie, who tried it is his own case and that of Dr. Carricchiel Smyth, who wrote expressly on this subject, with the more causal remarks of Themison, Describt and Southey, we may infully controls that where it agrees it may be occusionally useful. It is a decided temberry to increase the electricities in the extremition and surface generally, and perhaps to lower the poles, though this is centrated; with children who are intensity foul of the sameles, it would be more productly applicable.

Trustling may be usfuly recommended under certain circumstances; the influence upon the most, the choice of climate which it affords, the instant unposses to the sit, are amongst some of its advantages. It is in this early stages of the climate only, and more expected. This circumstances of the patient most admit of every confort, and minute attention past to other name by which the gracest beach may be improved. There is nothing specific in to influence, and unless expected with doe regard to the nonlinear of the patient, will frequently only basten the disease.

In these cases where the symptoms are most acute, the manningtion initiable, the process immediates related, the commons functions impeded, and there is much tendency to immunisting, sea reperce have been around internally recommended in profession to marching. In consention with the relaminous evidence we passess in faces of ventury in the early stages of phthisis, the influence of maisture, the miyantarus of an equilie progressors, the bounds of being much in the open sing the parity of the attemption, the rained state of health manage these accounted to a nor life, those is every are accord our most percept means of mining inequal pairs of immapping and more stall greater matterns in the resempt of that attituded emotionion which produpous to takerester deposition. Sating or crusing for some time would productly by some objective then a long versage, periodicals if the years has derived by the from the nickness; and is those more trieve timage of clients in recommended and much improvement for robust place during the royage, it would be better to expend the latter, some brough the doubtfill bearits of a medicine so land. The Alleria is considered by the winds as a synch more throughly allowed then the Mestgermanning though the fact is not established doubted, and during the winner, perlays voyages between Materia and the West Indian would be among the most formable. We are included, become to their that supages result out carrierouts, and repeated of shore interests, would as been in respect cases, he equally make, and angle vertically by trial by a tire proper natifier of populois. We can do belle point than exhalf the arrigin to the practitionary amount, referring him. to the works of Reid, Foreigni, Erchant, Corbo, No., for more detailed value william.

The real orderes of these is a communities is beginning to be for some contestly assessment, and ground documentation obsers in the selection of these cases where change of climate is re-exception. It has been no other considered as a best remove, rather than a motor the effect of which depends on to early application; and in the insertion imports of a some competition, all forces to residing the that advantages of a some competition, all forces to residing the that progress of the affection is imported ungo of the documents and only improved on a contit of the affective image of the documents for the affection is imported ungo of the documents and has been placed, and the general appropriate a total determination, present to a fed common may be regarded as according approach, expressed to a fed common may be regarded as according to prove a fed philosomic forces paged. If it is the magnetic target of the compliant ways in prevails, where the

progress of the discuss is chrome, and the general symptoms with perdeniment, that the bonehold offices of climate may be expected. The action of a wayer climate on the healthy thank, in exciting the Southern of the nion and liver and dimmisting these of the large, explain some of the advantages, to, he expected in principary affections. The heavilt of exercise in the open air also possir out that our selection should be paided by other than thermometrical comidcritisms, and while a mountainers country like Madeira includes the fieldity of easy change of transcriptive by change of elevation, yet where home or carrying exercise at important, a more fewel and extransive country is presirable. A mild and most clarate ought to be perferred, and there are more equations on the world and western courts of Enginesi, which may be resorted to with advantage. It has been thought that change of climate to be effected eagle to be sumplot, and with this view the East or West Indies, South Carolina, Florida, the Northern States of South America, and more particularly Egypt, have been proposed. We can offer no decided coisins upon the subject; there is every probability that is now mines such a charge would be beneficial, but the liability to other diseases must. not be forgetten, and an accurate appreciation of the health and conentotional presidenties of the petient is more psealintly necessary. In very classic cases there can be little doubt that life may be sometimes prolonged several years by residence in an equable mild aliente. As a perioral principle, it may be safely admitted, that the change from a variable temporature to one of an opposite description, when not invaling any serious description of the patient's condorts, is always infrastageous; and whose obstructurees render removal expossible, confinement to aparticular of which the best is regulated smittle posity of the air to man't as possible preserved during the runs rigoress windler of this climate, may be julidicially recommended, and inferd is often our only concarce. It must, however, be recollected that this sends of treatment, being unfavorable to meprosperient of the penumi triality should only be expanded when expassion to the air is constructly attended with increase of the symptoms. It is principally adepare to very delicate persons, especially females, to those advanced in life, and to the latter stages of the disease. We must refer the reader to Dy. Clarke's elaborate work; it is impossible.

At the present moment to the more than don't has attenued to the reduces.

Much difference of opinion names on the relative advantages attending a produce on the court or infand for receiving the potential. It is not in our present to answer the specialist. It would be easy to present how imperfectly the arrival time has a studied, but we are inthined to think, from a regime of the scenario of philoso, that when due attention to push to inspersion, exposure, and other local convoluntians, that the angreened on the winds to preferable

Emilia - Though Beyoutly proceded to full suspersey intonations, they may with great propriety be classed among the elemther employed in the general treatment of phthose. It would be water by extend this article to considerable length, by the simple examencion of the names of these who have written in time of the use of exertics in a variety of diseases, and as Dr. Young says, it is recardable that a very great empority of the cures of economylonrelated by different outliers, have either from performed by costica, ar by decidedly associate constitute. Their systematic employment has been more particularly recommended by Drs. Morrier, Parry W. Romanou, Married and Read. The latter, exercially, has brought forward a unjery of reducide emilierer in favor of the practice. Many softenant atters have reported the necessari he property, and assistmed his encreasings on the benefits of Scouting to philoson. It is available to the most enough charmen, that the effects of counting are growth, and not confired to the streets. The mechanical presence agent the stellar and and that the viscous, the inference eyes the armrial and viscous convinceous, the effects upon the accesses ayoung, and the subsequent displacement, all point and that the extins of vegetreg is greated and completely and, associated with the benefits seeshing from our oryages, as moving, No., there is every reason to believe that the two of comics to intippert cases of phthics is singlefacurely describing. The presence of guitains, inflammatory or rangestan head aparteens, beenin, programmy, &c., of course contrareducts their one. From what we know of the effects of protracted sea sublesse, and the lintery of ourse where amoney have been continged several months, there is no recess to suppose that their conthread employment is wither encountry or generally injuries to the storach.

The invariantees, societies, explose of piec, and sulplate of copers, either stagle or combined, have been usually employed. When a simple time and disjusting effect is densed, the sulphate of nine alone, or in submon with alone as Dr. Missely recommends, should be professed, (sel. size, Siii); alma, Sii; asp Och but is proportion in we wish to alloy febrile appartons, the tarter warmer and specialization, in conjunction or wingly, are most effectival. Visions and continued quarting must be areaded; the smallest doors, as a greent rele, are been. And we next punicifully guard against attring direction. The marriag are generally been considered the host time for their administration, though when rigons come on almy particular period of the day, the well known action of an emitted in the cold stage of intermittent loves, would render their find at this period advisable. When repeated at night they have allayed the hertic symptoms, and promoted sleep. Their administration requies decommend, and they should only be persisted in when their effects are explantly inversible. Dr. Marryat on his "Thurspeales," preseries one gran of tanks exotic with three of speeds outle, to be taken two or three times a week in the merring, fasting. Mr. Adair (Vide Mol. Comm. vol. xviii., page 421, 1791), orders a grain of the valutate of copper, with a deep of sulphanic acid, in half an orner of water, to be preceded by a part of warm water, and repeated three alternate evenings, and afterwards daily, every merring. Dr. Sensor (Trens. Coll. Phys. vol. i. Philad. 1750), given a dry youit of from seven to ben grains of sulphate of copper and ipsencesmela, to be taken forming every evented or third marriage. Dr. Reid Sound that fire grains of spectroscole were aufficient to begin with. The preparations of ememor might be tried, pasticularly with childies. We shall conclude our remarks on emetics by observing that dute theraperried corplyment in pithinis, and their inflormed on the health generally, are comideration of great interest and inpostunce."

[&]quot;We see gratified to find that our emphasions on the importance of empire one confirmed by Dr. Chake in his adminishly section on this intages

It may, we think, an infer services in a general monitor is the treatment of discuss, and more portionally of a continuously discuss.

MAN the execution than if he principally months to the conduct as the months of the hody which me have table to be conduct as the months of the hody which me have table to be conduct as the months of the order of the affection, and, a months of the constant of patterns, an about a cut unimply the row by a disc on the operator man manhatement, but on the months and arrivery requirements are as relating region with the materials of eight or region with the materials of eight or region with the materials.

The way of hills in a variety of firms with day or maintaind minelitting fictions on the chir, are seen consently assembly in the because prescribed by deferent unities. The named influence of the patternary and requires frontiers in the control employed, and the impression of the billier too exist at to send distinstance. The Armstrong, in his reducible company to recommon (angle 200), extra-"Her primits amounty the this entroy, we seen that that many Greams of the ship are incompatible with those of the larger house. is Good British, their persons will not well a necessary complete, the the least course it is promisely common that he dust common has investigate sured, and they often felt various in reppetitive in the "Jones and " "Antisymme property and start little I've again." eaps the same uniting, " couple of a philosoph tenting designate on the naming and of a second coupling of the skin; and I have seen a similar of first from property title unity indicated on the method by tentoring magnety the assumation between phillions and the object

(Van 1911 Peris, And Peris, and Spaces Company of the common of the comm

appears to me a subject of wast emportance is a practical and pathological point of view."

In the treation of the late Dr. Kentish on the employment of boths, there are some emising comes of access pulsationsy affections authorosphily treated by the common super or sulphur-super bith. In one example of apparent phthiss the later was taken every other day during four exertle with officially access and gradual interact of the general strength. To be effectual, boths must be presented in, and much one taken by the use of differents, friction and exercise, to stend their injurious effects. The temperature absold by regulated, and the standaring sature of the both adapted to the prediction of the patient's constitution. In surepholosus and chronic states, much benefit may be expected from this made of treatment, and in opposite circumstances their judicious employment will at loast power a valuable pullature remody. The bot air bath, proposed in 1819, by Dr. Gower, and since modified, is powerfully displacence and a convenient application.

Counter irritation in the treatment of portions has the testimony of about every anciest and modern outlior in its fired. The theory of its action in far loss important thus the inquiry, if experience has satisfactorily Seminstrated its stility; all we can my is, that there are few subjects in therapeutics on which so little discordance of opinion has existed. Every gradation of institution from simple rubefaction to live actual enutery has been recommended, and evidence in favor of all has been addisced. The penaltipe treatment so much instead upon by the ancients, seems consing in modern practice. In its application to phthisis we may arbeit, as a general safe, that it should be assided when much Schole excitoment is present, or at least be deferred rettil this loss been subdated. It should be proportionably deep and permanent in its character as the disease is chronic. and the lymphatic temperatural predoministes, and whenever it penduces great general irritation, pain, loss of sleep, &c., its mode of application should be suried, or if this is insufficient, it must be whally relinquished. With sitention to these general principles, it may be regarded as eminently social in all chronic theracic affections; when supported by the putient, it should ever he smitted in the treatment of outherin, though as all acute cases it creat follow the use of anti-

philogeric measures. A variety of stimulating follows, containing vinegue, alcohol and emmorán, have been proposed by Drs. Scodsstare, Hall, and others, and perhaps may be always safely recommended with some riight modifications as to temperature. They increase the circulation on the surface of the chest, and render the skin less easily affected by atmospheric changes. They are gonerally advised to be used in the norming, and repeated once or twice during the day. Dr. Hell recommends the most powerful and permanon action of a pad steeped in alcohol. Bosters, either frequently expended or exceed to expressio, are excent the most general means presented to far pountar imitation. They may purhaps be regarded as best adapted the inciprent themstoring manuscrib for the treatment of those insidental complications to frequently securing Army the progress of the principal affection. They may also be occasionally conjugation with the use of sensors, immed, biethe emeric ninterest, or other means by which a supportative process is comblished. As our object in the employment of blinters in plaining a local irritation, and the arcidioco of any general re-action always desirable, Dr. Thompsee (Vide Mer. Med. t. ii., page 545) says, this may be effected by mointening the thin with water, and poming a piece of nitrate of adverlightly over it, so as to include the while of the maintened serlice. The action is rapid, effected, and purely hard. Dr. Thouseum strongly renminerabilit where much februar excitement and constitutional irritability are to by dreaded. Intimer pain and slough result. from an excess of the names of aliver. Dr. Scolamore, with the same interfers, speaks highly of a saturated informs of contheribin in strong acretic soid, applied to the skim by means of a cannells half brush.

In The latter emetic authority is a strong artistics of this soft (Throupson) applied but to the previously fractioned white, either alrest, or in severe cases, conjuntly with return or incommonly the clarityles, or between the aboutless; may be organised as the least parable, and most effectual means of contact instation. Crosss of, minutes, and a variety of instating laminests may be consummably media; the action of the former is said and easily supported.

In proportion as hismoral pathology perceived, our desiration means

area recoded from the dimase they were intended to reserve; M present, however, it is percently inhabited, that it is better to apply our semeches as more as pussible to the affected organ, and the sub-shrinking regions are considered the best points for establishing permanent counter irritation. Dr. Graves irrariably places two setters beneath the charles in all ineignest cases, and advises their employ-next to the age of publish; whenever phthins may be apprehended. It may perhaps be small to let aid wounds occasionally heal and form new own, for it is probable may become less effective after the constraints is fulfitzered to their presence.

Minding. - " Super cursis very versuscitione, elepse attis tempertive, frequenter, or copiosis adhibitio, at multicostrar, ot tabiles front. wgur," says Morton, and postupe these are few discuses in which bleeding has been more generally prescribed, or more frequently repeated. The buffy appropriate of the blood no mind in phthisis, has been erronously cannelered as a justifying indication for the use. of the lames; in the present state of our investedge this symptom. alone is quite smallerent, since we well know that mercury, pargmucy, energies, doc, are capable of producing this precitiar condition of the exculating fluid. It has, we thank, been demonstrated at the course of this release, that philipse, in its origin or course, is not an influentity disease; and, that in all its subsequent stages, influemation is usually the result of tohoroular deportion, or in those cases. where it precedes the fatter, as areidental complication which havtens its development. These are not to be regarded as theoretical. views, but the chimate expression of numerous and analysed facts; on their reception or sujection, will the practitioner's reliance on the officially of bleeding, as part of the ground treatment of phthiair, materially depend. It arm not be supposed that samplingaries are to be saviated from the the operation of consumption; if information is not a cause, it is a very theorest complication, and adopting means for its preportion and removal, forms a leading indication in the treatment of the affection. To protect the individual and the affected organ from the inflaence of all those agents, internal stell enperal, which tend to create an mendiance degree of excitoment, or facus the development of active congretion, may be regarded as one of the most important practical rules. It is the opinion which pagards

information as the corres of all the test, and country the remarks of it as the caty, or prompt to one of preventing the progress of the disease that we are now conducting.

After reflecting on the pethology or planting, its sature, or causes, and the greend character of the reservoir which have been most executed in the core for partiation, and other having compared that containing relations of a supery of settlers on the onlines, we think Contributing should be reprinted by an analysis and property. to return place, to or any other document and oughly gover to be practand a given in present of them infrastrate which gride us in the exployment of accounting in grants. The practical should seem toget the closes comes of the disease, the impossibility of coming it must be also make in titley, and the immunion of heice granual in the share-more block by the state of the degester. organ. It is more puriodialy to the unit stayes, when the but, print, among and dynamics indicate behaviority action, this Merel. ing will be smile, and may recoveredly be reported with whenever Sand revolute the impact's the course will often affect sold to the thorase and holle symptom. The application of freeden performs alreaded by heavy a color and an the early HERE OF the completen of their rest officery we are made to spens with cornicity; on hore was then fined by M. Lexis without any emilion received. Lovel blooming to the form of copying it should Degrantly indicated agreed the intercovered inflammatory complicaman. Were we're chosen between the redistractants was of the taxonet our tea proportion in which the, was believed that below we cold below. president.

High, Deser, Van. Swister, West, and Stell, an among the most electronic education of ground and expected bleedings. They are objected to by Marryot, Helmolm, Lord and others.

Above side. — In the corporal and my between pitches and ever place, and in the declarate of despect and applicate near coupling, we may true the second of the fraction employment of meeting. In this term prime patternial of the fraction of the time of pitches by Dry. Rank. Second and Physics, who have strongly advocated the fract treatment to compaction with estimate. By With in this case of dislaters and convergions, privated in 180%, also advance

salivation after the singular preliminary treatment of repented bleedings to induce febrile pr-action; his arroyed object was to smallly the blood. By the prajertity of methors we use has been sanfared to particular indications securing in the varies stages of the disease, ta serepholous habits; to cases of numeratoric affection, hepatic obatructions, and its action as a mild purgetise. The greater number of modern authors regard its hubiteal administration in phthicis as decidedly injumous. From what we know of its general action sponthe frame, the irritable state of the nervous system which it induces, the invessed susceptibility to external influences, the febrile excitement, and the necessary interruption to other indications, there seems no reason to call in curstion the propriety of this opinion as a genagal gale; and if is the use of margarials we include the production of its reducity constitutional effects, there is still greater reason to come it from the list of therapeutics for phillies. We are, however, inclined to believe that its good and bad effects have been greatly exaggerated, the farmer houng frequently founded on errorcous diagnosis, the latter on its abuse.

There can be no doubt that in acceptation phiogentia habits, and in various derrogoments of the digestive take, that it forms one of our most valuable remedies, and the researches of De. W. Philip on the employment of small does of mercury, exhibit the action of this agent in a new light, and prove that we have totherto been ignorant, of the means by which its real efficacy in chrome discuss may be obtained, and its migrous effects avoided.

The evidence relative to the influence of mercural vapors is too contradictory to allow of any positive continuous, and the arguments against the mot of mercury, founded upon the experiments of Dy. Clayton, in 1894, Dr. Samelen, in 1793, and more recently those of M. Cravelihier, consisting of the espection of moreous into the winn of dogs, and the apparent production of takercless in the lange, cannot be admitted us of any value, since there in no doubt that in all these austrances the mercury was samply deposited in the polanomary terms, where it produced sequences into any other foreign hody.

The expressed juice or estimat of inventous less been favorably mertioned as no alterative in asberouious constitutions, by Hufs-

land, Zimmermann, Kansus, and its criticy is arknowledged by medem presidences.

The exceptable, the number of time and of harple, and ease expensive the mineral waters, are also described of increased statemates.

Digitalia. - Hases 100 olivents, prevent were accommendedly denomstrated by Dr. Wittering, in 1745, Apptalia has been alternately entitled as a cost, as conducted as injurious in the treatment of philipses. Mand Simile it a trimpolate; Stannings, a count; Dr. Housele. ton, a direct solution : Ringiale, a microtic sometion ; Magentia, that it acts by extinction of mornid action; Buddows, that its officacy in convergition is equal to that of hard in assessments and, inc. Are, a from all these estimatory conclusions, the reader may infer that a really As some active properties, and that its nature entire well the operanstances under which it is administrate. It is now very rationally abaset outsely reported as a case for interestytion, and ments only to be regarded at the of the purp means recurrently meful in this dresure, and which may constinue asset the operation of more inportion measures. It events principally adopted to phiagrantic labels, after depiction, and expecially when there is may accommon unadrawy. The state of the digestore take must be presently asceptained, and from its effects accommissing it prepares to be ever clearly watchers.

Proofe chief. — This has quite us limb claims to be regarded as a specific for plathing as the former. Its major is more unhabitedly sodative, and it may be often presented with advicately against the energy, particularly in the energy stages, when the system is treitable and very specially symptoms are present. It may be communical as more adapted to leastic than digitals, and often souls to alloy sink-acce, epigastrue pain, and pyrosis. Dr. Thompson speaks highly of as not in large post affectation, said to plathing at may be regarded as a metful and politicism remotify.

The discovery of any name by which a prelative influence might be presented, and the cough understied, without any injurious secundary effects resemble would be a minishle addition to the theraposities of phthics. Do Holla recommended the bequired or hydrosubfraret of materials, on a throng of its chemical action. It has since been mentioned by De. Armstrong, and more recently by De. Newton, in the second manifer of the Bubble Madical Average. The latter gentleman, is conjunction with Dr. Memb, tound that it is reported the pales, increment the appealite, promoted the trinkey secretion, and acted powerfully on the skin. These proposites give it claims to the practitioner's attention as a polliphry remody for pictures, and my hope come judicious trial of the cold effectly will be made. The time mentioned in three drops three times a day, in a tumbler of water. We may guidably increase this quantity to thirty or furly drops. Names, headards, and comparement from an overdoor.

Prom what we know of the action of albalia upon the system, their solvent power, and general adaptation to feleric symptoms, at least in the tarlier stages of disease, there is every indicement to nontinue on investigations on the subject, and we wind their appliname to picking, on these and other grounds, well worth the practinoner's attention. We have no facts to bring forward, and shall therefore yeller the sender to Dr. Barrann's very interesting and talented tectures, published in the Abdinal Gazette, page 711, 1834.

Astisable not, we think, received the attention it deserves as a remody in philinis. He well known action in scraphula, gôtire, visceral vagorpenents (particularly those of the liver), demonstrate its poverful influence upon the absorbest system; and the embrace of Des. Bloom, Gairdner and others, on its employment is nonuneption, stuply justify its continual trial in this discuss. It is almost emovementy in remark, that so never a generally requires gross care and discount time, but from the statements of M. Zinck, of Lamanne, (Vide Journal Complementative, April and May, 1921), it is probable that its injurious effects have been empronied. Its association with noth in the blood stakes Dr. Rutrows suppose, it pomeness a notnent power. Scriptilian physicatic latits, the absence of friede exritument, and a healthy state of the digostore take are the most flavorside conditions for its afministration. He inflooned upon the storaghmay be arreined by preserving it in the form of intulation to which we shall presently refer. Its disterio and encountrypyse powers gave a nontional claims to our ratios. Some elections to its emplayment in philinis have been wireneed by Lamuse, MM. Larusser and Recession (Vide Riese Med., June, 1823); they only prove what

see knowledge of the drug would be more indicate to every polarisms.

Mark.—This business of places. The second has been price ally supported by Martin. Do Matterian, and market, intending many satters it has easy been presented to account particular indications. Much objects in business in the satter, and Martiness in the satter in the

The paraday decayed by some to put not react an enderthe opinion of my single amount of committeely into mean takes, but by comparing the mean-out proved by common prosistences under similar decounts on the common, and then inerated the which they are more or loss common, and then inerated the provinces in from of the observed are pure ofto reaely. Over of the most popular, as applicable to pursue and shall affections personally, or outplant, the extension height extended by Galori, Sylman William Limited, symmetric, state, in the comtainty orders, and come as appeal and powerful action on the createring parameter, its internal time is a meaning for common in time

^{*} In a recent work by the Alexander Product of American Street of Production of Produc

affection, it is worthy of notice, and might perimps be advantageously employed against profess perspirations. Its forming a susstituted position of the nervous system, and its general absorption when taken internally, proved by its presence in the perspiration, &c., are sufficient reasons to make as suppose that it may at least be occasionally useful. Its most effectual arbibition is probably in the form of mineral waters. Of the intity of its external application, there can be no deade, and in the form of minimum it is far from being ment.

A variety of other remodies, such as mysth, icon, preparations of lead, &c., have been foverably mentioned in consensor with consumption, but since they have not been regarded as possibily applicable to this discuss, we think it quite unaccessivy to refer to these.

We shall now make a few remarks on the Soul remotion which have been propound, and direct, the render's attention to the method of famigation or inhabition. The application of medicated supors to thorseic affections, may be traced bank as far as the writing of Galen, who quake highly of the vapors from experiment. These were also recommended by Rhanes (an Arthun physician), and Bonnet, who prescribed them in conjunction with sums of the habituar complier. The lapse writer especially, has insisted upon the use of famigation, invented an apparatus for their administration, and was also in the habit of employing the report from a regiety of infused hurbs. Dr. Pearson and others have spoken of the utility of other, and the former prescribed the infedetion of parcetic supers, asining from the macetation of [1]. Si, of the leaves of byonryunus in Si of solios. Dr. Mewl, who does not appear binnelf, to have personed the treatment, thinks the femigations, as described by Bernett, were too much negbectrd.

It will be easily gathered from those slight references, that the methods proposed by some recent unblock, have no other claims to novelry than the use of agents with which our predecessions were unacquaisted. Their real value is not, however, on this account diminished, and after an examination of the works of Granel,* Mar-

^{*}Two Memoirs in the Introduction of Chlorine, &c. Translated by W. H. Petter, M. E. I. Sen. London, 1830. — Cowner.

pay, A Rendament of and Collegers; we do not become a may not the embrane in face of the politicity offers at the contracts phyloson, it simply cofficient to accorage officers in the application of these remedies. The curve related by M. Contrevan new by the taxmost sutisfactory a we would pully to the first, also published by Engnel, and forthe beniftle, as particularly sinking and decision as to the SAULTER of polymery totalities. See U. Sondamere mainly strongly. on the power of action in facilities; expectation, desiriding arigh and presenting steep and appelling the Thompson in his Mat. Med., speaks only inpositly of the politoire account of citizene in plations. All has brists were upon advanced young though and iditioalely account, it instably provided, not, as to expense birmed, any to end to have mounted florest or the business of the proce. It is but fair to state, that the Blades of Blades M. A. Leensen, of Names, M., Jeolessuphs, of Henry, and M. M. Finnin and Migrael, of Paris, have advanced out of them inhabition without socres, and securiously have board their bourious. The stilling of come and other various of the parents often, as portionary reconnephid by the Soutimen is obside fermalist and recommender affection inhelial order the general from actions, is were numberhardy department and any tool to part out their cases of ourrecognized where prouding honeft may be reported from their employment. Whatever may be the round with regard as their manager influence in this discuse, they may be considered as forming valuable. adjuncts to the therepretter of themes affections. Her for their heneficial effects are depending outline local witers, it is guther defioult to determine; but from the abunding mayor of the breaching membrane, and the active salery of the agents employed, it is more than probably, that much may be emissed to their greated influence,

^{*} Adaleston of Antine, World Mussay, M. D. London, 1928.

Adulation in Palametry Continguism, S.C. By St. C. Sculimers, M. D. F. E. S. Sep. Landon.

¹ Minutes by Cottomes - Auth, Gov. de Med. November, 1988. -

which has the advantage of being professed without injury to the gustile message membersor.

The capture of inding tar harm been highly extelled by Dt. Criebten and others. The coperious of Dt. Porbes leads to a less favorable conclumes; but Dr. Mornos, in the mort already affinded to, says, that among the various inhomacon which he has tried, there is no case which he has prescribed with usual amores to tar. In choose counts he knows of no plac of irestraint that can no with this. (Vide Qt. Cit., page 543.) Sulphurous farms here also been recommended, as well as defining a variety of supers in the apartment of the parious; on their hemsfeld or injurious offsets we are smalls to speak.

We cannot chare these remarks, without anothing upon the anomaly of strict attention to accuracy of diagnosis and clear discrimination of the peculiar discriminances under which our remedies are applied. Without this can facts examine be available to others, and from want of attention to these supertant data, by far the girater portion of the definite to which we have alleded, is attenty incapable of leading to my positive remains. The difficulty of the impany is insureme, and much distinct much be above in according at general conclusioning on another hand, the impolessment of the discount, the institutionary of artery known tentiment, fully justify experiments is search of a new remarky, and it is not irrational to suppose that so great a desideration may be found in a class of minimum which, while they excert a general influence upon the health, are expecte of being firmily applied to the discount organ.

After these conversing one convertions, we have the subject to the judgment of the reader and to the decision of falore insentigation; we shall now beintly advert to the proceeding, and includes the implication of engages, bytengen, and other game. Forevery (in the church of Chinic, No. 4. Fasts 1790), given the result of the surplement of oxygen to beauty come; in all it was projected, hardway the progress of the decision, and recoming the friefle symptoms. Beddies and the effect upon hamilify it occasioned time beeting suscitation, dry cough and dyspaces. Intermed excitations in also

the effect on anituals, and neither theoretically are practically in there any industries to renew our experiments.

The two of hydrogen, carbonetted hydrogen and nationic agid, has keen attended with much greater excesse. Beddoor relates some enses which were pointly relayed by bounding a maximi of hydrogen. and common six. In mother mitmor, mentioned by Dr. Crawther, the employment of the carboretted hydrogen in the proportion of I part to 24 of my was sinn metal. By Percent, or his Energy, 1774, found the impression of nucleus, and he thirty waves, pulliate the februlo symptoms. This result is confirmed by the investigations of Des. Witterney and Holme. Hr. House, of Edwhorth, says that earbest) with a smile in alleging flows, and an improve attemptions is prepared by Darwin against treat. It is also possible that the fewerable offects is bith appear investions as have resulted from a residence in cow-houses, may in pass be excelled to the most entire. Connecting with their details the first that makes are a latter again. to philippe and resultating the system of The Wells and others, in from all morely places in communities cares, there is collected ex-Arms to justify must confidence in the publicate effects of these pass. The object is deserved of sitting, and will be second warpadditional instead, when we perfect on these symptoms which reduced the serious about of the computatory functions on physical, singmessed lead; find coles of the sile and coles and recolerance, and margain them with the physical combine of the large. The shsome of combact dyapters and the complete experience of the kind preparately physicagod from it may comply of this defining to the design the elementation of entropic or the vernous as well as the arterial blood, on account of the descended production. of emberor and, many from opening according to

Treatment of the new premium resources of Philing.

Upder this Origins we shall nothin be supplying from propertions, cough and displace.

Homographs — The disgressir of a sed ingression of this symptom has already two firsty and relay. We say a strong to proper up a second second

can be led down; the continuous of the period; the stage of the disease, and the more immediate came of the harmontage, when such can be traced, require numerous modifications in the tensionest. We must also recollect that it is very soldon fetal in its immediate affects, and would in general coasts, independently of treatment; we must threefore be backward in surjusting too much efficacy to particular remotion. The metan most generally prescribed under time: circumstances, consect in cost in the horizontal posture, cool sin, cold applications to the chest and scretnes, or between the shoulders, with warmth to the extremities, blanding, minorants, prognitives, sedatives and astringents. It is important to remember that we are treating a symptom cely, and not a disease; this trust regulate the activity of our necourts, and percent our indistriminately renorting to powerful artipliferation; though four the experience of Dr. Clayer and others, there is every reason to suppose, that when symptoms of polynomicy congestion and increased circulation aim present, such and repeated bleedings are among our most effectual remodes. In the majority of cases, sout, with cool sir, sponging the thest with viseger and water, the application of warmin to the extreasures and saline laxatives, will be sufficient. When the ayesptoms persist, musicalds. with redslives; such in digitalis and Francic acid may be treed. The former especially have been highly spoken of by Annheau, Pino, Buglina, Murray, and more recently by De. Graves of Dishim, who also complement the opinion of the preceding authors on the utility of small doors of specicumba in this and other humorthages. Dr. Garries prescribes two grains every quarter of sh lawr level some improvement is observed, and afterwards every half host watel the flaw of blood comes. He precedes the speciesarise by a purpaiser impresses and a velor purps. This treatment he has around revenuelly found successful. Dr. Cheyns thinks that is all cases where influentiatry resortions are present, a comburnion of estimony and now, frequently repeated, is one of the most efficient remedies. Emetics lasts been strongly sobtsed by Roberton, Marryot, Rose, Stell, Dr. Parr and others, and from strictmems of these waters, there was he me shall that the danger to be apprehended from their was his boost groutly enaggreeated. The screen of romning on the polynomry circulation is not so easily deSterrierd. The common respection of the state and upper statemation, and the probable repetition of this state in the bower, from the statemeties of the abdoment papers, a subject with the state of the action of the mast and the unsurprise made deployers, bend as to correlate that it is not attended with dangers to becoming of the large. The effects of my richmen and the relate many coming affirm to dyspanic arriving from a congressed size of the boser, and large, we not assignible with the idea of my increase of bland in those organs. Perimperature the principal advantages of minimals and correlate wise from their action on the locar, and then tendency the equation the circulation, the former should generally be preferred.

A transported of common mit, anothered by as dissolved in water, has been accounted to the lambs of Le Mera, Ruch and others, and from its being mady promoted, in worth resembling. By, Carminium Buryon speaks houses of the officery of the estract of hydrogeness. Options a not substicible until after depiction. Substice acid, vitroget, ments of hust, retracks and other amanagenta, may be accommonly useful. Cold outer and small pieces of jew-taken amountly are whichly adjuncte in near and excepted mans. Lightenia to the familia are too possible to be applied, orders the questity of blood renders the danger involvent. Day suppare has been recently recommended, particularly where depictary measures are contradictable, and in the more advanced stages as these and other circumstances it may be adjuncted to be accounted to be involved to particularly attendance it may be adjuncted to be and formed to be particularly attendance to

Havin Freez. Then is arrivably not contend to the after stage of the discount, relition does it depend, as M. Errosenis into agreed, on the charge-mark per from our often due thereon, no the realways correspond to the artist of processing the agreement. The fact, they errosed a placement on a procession in manner or response to the technique and duration of february manners. In the very time account, of disciplining, as much as possible, career a response to the arrivable processing the manner of disciplining the material materials of the decomposed of accomposing the tass of means calculated to business the decomposing of

those secondary symposess, which as powerfully influence the progross and expotente the tremination of phthics.

In the torument of luctic we should rather confide in amention to general measures, such as dust, skething, easily rising, vestilation, topid spanging, warm bath, &cc., then in the administration of medicals. In acute and incipous cases more active measures propagate has been principally of service. Small &cors of terminal astimous and salme and mines may be accessfully employed under the measurementances.

Since hertic feron has been regarded as an nitendant upon rather than essential to the disease, specific roundles have dimenshed both in resolver and value, and against a symptom associated with such a quentito state of the general featile, means of the most apposite duscription may be nocumently recomitsi. Potering was in the liabit. of prescribing a preparation which was long regarded as a valuable anti-hertic. It consisted of one part of tin, our of metallic autimost, defluerated with six of nitre. Other western soom to have found it. merfel. Reid advises a powder centaining forces govers of navy and one of turns courtie. Sydenium speaks highly of an infraism of two dracking of rividents in a quart of mild four or other liquid for shiftdren, when the friend symptom are not intense. Vinegar and wairr was much praised by Galen as the best as bigurest, and if we recollest the astrongest properties, perhaps the employment in pathing has heen too much neglected; M. Orben (Voic Thompson's Med., Med., p. 35), both at Trans and in Femore, used it extensively in communition, and says that its affects were always beneficial when it produced a control state of the lowels. The quantity taken stally was seven cancer-diluted with forey-nine penets of rain water. Small doses of alan and subjects of iron were prescribed at the same time. Dr. Ruberts (Abdied Transactions of the Call Phys., vol. v.) strongly administer the title of stragger for checking the hertic and merning sweam, sustning homophysis, and prolating conferences. Dr. Thompson speaks feverably of its palietive influence, and occasionally prescribed it will the infesion of calcular or guestavilla. The exnered one has already been mentioned, and we think its internal. descriping of forther trial. Different constructions of the nedations and purceties are aften available. It is in those cases where the

Anetic symptoms are organic that the parameter method promises to be of service.

Perguestions - These are mostly chand mostly the symptoms of ferrors, though its philipse they ago should be for most experience every to the personary functions. The governer manner conservative in the preceding metion must firm the lasts of our contenut. When there are not successful, the our of sulphur describe attention, and server at proof has some of patient of patients and report of mended by Bennett and Haffman, may be train. When this latterhas an present, solution my be assessfully employed or electing propintions. After and others have subsected the one of tractice in the man grands. Making about viving the potent. just before the perspirations cases on. Postind recommends the enternal application of the horseon of tool; this is not mentioned by Bennius. The arginous acut is our of the most effected mosts; the segetable wide and the explore of lend seternally or in lettons may also be tritif. Our edgest in motion or numbers of an assignment to private perspirations, which may be repollered, when not extreme, as invested. Thus ideas of how for the this may be expellentagely to the trace are still warmer

Discrete. - This can be no longer reported as a nimit worship. upon the Settle Rover, but in the great enjoying of immercia in dependag on load references, which is according to have followed by absention. The impetitive of this first will at once regulate the treatment of diarriless in philister, more particularly in the easily stages. of the disease, and descentrates the bounded tendency of the purging system too frequently resected my as well as the messely of assisting the use of agree positions as first which assessmely. stimulates the digestine papers werelease. We love seen lowpapidly the discust progresses when abbunish symptoms are reaparent with the therapie; the state of the alimentary carel, and its Establity to information, would, merefore, we repeal, be constraily kept in view in the treatment of platfolio. Our live preservathe and corden mentors result in warm costing ; sold temperatore; great attention to the skin; bland until tion of at; the new of only wild propitives when executes the wild a still phylosopie, nursuita; also the hip took, and head blood-letting when symptoms

of influentation are present. To those means we say add marilagives device small desce of chebach, hydrogycon core next, spetaceanha, Down's powder, while mixture, white decertion, and other slightly astrongent device, as time water and milk, or influent of preseguance and milk.

In severe and more advanced cases Dr. Stokes speaks highly of the effect of a large histories the advances. Dr. Gesces thinks a grain of the airmos of altert, given these or bortomes a day, is one of the best remodics. When arresting the discharge is important, the turper-times and balance, given as cremate, with opens may be married to. The sulphuse of copper and acetata of lead, with apians, have been occasionally encessed. Surprission a combination of couparia, name and and landauses, and with discountaines, diffusible standause, have proved odynatogeous in particular circumstances. It is only by a insochodge of the pathology of distribute in pintinia, that one remedies can be rationally at successfully applied.

Cough - Transpollutor the cough is an important indication. By interrupting slowy and accelerating the eleculation, it exerts a powerfel influence over the general condet and health of the patient, Before takescalar softraing his taken place, and noneconstration setablished with the broughts, the expectoration remaining white and firstly, coughing cannot be pegurfed as a saistary offset, but the result of pulmonary impition, and should be touted accordingly. At a later period it is evidently necessary to avoid sufficences, but sum than its frequency and vanction may be advantageously moderated. In addition to those personal invastrue to which we have so often re-Serred, the course easy by calmed by machiginous mixtures, decection of Iteland more, small down of Ayuntyaneau, Promie acid, digitalia, the different preparations of opins, other, the minimum of emollient and nercotic supore, breathing the gases advised in the passausatic method, and occusionally by the use of small down of topics, or the employment of antiphlogistics, as the general state of the patient may indicate. In the more advanted stages, when beauthris and alcoration are present, we trust be guided in our treatment by the intensity of the Schelle symptoms. It is at this period that the trial of chloring and iodine inhabitions have been purificularly recommended, though is many cases from the during the first stage of the disease ought.

not to be reglected. The artists of these agence may be understed by conducing them with different moments. Sulphos, topologic, copality, are offers acroundly in chronic cases. Enough and may assess are valuable, but as well as experiments in general, must but be prescribed without alternate to the state of the gateric across membrane. Simpless to the thest with political often school tegent symptoms, and when influstion in the attention from branched shotsurfied, these means with sevenine and difficulty stimuli are purprincipal pressurers.

There are many offer involved didicatives which me have perpeoply married. Our object in this rapid should wan to person to the mind of the poorgor postor of our materia an invited of that mire prominent pullaboreal feature of convention; in copies some of those general processes of community which may fastly by deduced from our present anomicalgo of an across and morbal alteriotions, and to direct his attention to those percolal securiors which have been advised either firs its pullman or corn, by manrow and judicines practitioners; and attempting to defen their makes operand, as subjecting them to the orded of any pathological theory. In the rearse of our impaints we have adon been disconnected by the Man-Ance and endroderary points of the uniterals powerful to our paties; while, at the same time we have felt supposed at the own. with which closes the reposition may be invented, and these and other few pathological resultingness carriered up, to the reserval of which the wild in the street entropy and amount by all out in the not have been differed to have intentally detailed, a problem of precon and distance populations for the incomment of pictors, and pre-Aspet to hand improved the mosts of fract, with a flavorationides of logs experior curative scenario; but an him chidavally endoanced to aroud the indicements which removed regulation in medican holds out, comment that there are this obstacles more first to the progress. of missie and supposement, then these propositions performing which muckery as sublimbingly prompates, at the caprise of all howards's Reding and to my defriment of the health of a los study definded population.

Notwithstanding all that has been written and draw iques the wide

ject of communities, we are will smally transgeniated with anything like a satisfictory method of ours, and it is only when the spright spirit of inquiry which has characterized our author's researches, shall have soundly prevaced the mode of those who are continuing the investigation, that any decided increase to our present harwledge, or rather the reasonal of our present ignorance, may be expected. To be strictly bount in medicine requires turnsual probity and devotion; our efforts must not be undertaken with the eager hips of discovery, but with the connection that at less we can only farnish our time to the major accompleting many of accurate observation, from which medicine as a science shall hereafter be eliminated. In tooking back on what has yet hose recomplished, and comparing it with what remains to be done, we can on arous the impression that we are now excenting the labor by which falure governations are to profit; but with the present manus of chargestion in our power, and the facilities for recerting and communicating the results of our inquiries what may we not authorized from the lainted exertions of mande alive to the advantages to be guard by systematic precarch, and called into attion " inder circumstances different from any which have yet existed in the world, and over an extent of beenlosy far surpassing that which has litherno produced the whole however of human inbelleet."

AMERICAN EDITOR'S APPENDIX.

SECTION I -PRESCRIPTIONS.

For various prescriptions the render in referred to sentions I of Vols. I, and II, of the Transisters of Louis on Perez.

The following not mentioned in the work alleded to,

 Louth, page 226, thu 27. Then are averal preparations and devide general came of Louth. They are composed of energal articles meand with tager and types. The Louis Bianc, which is probably referred to in the present work, is paids as follows.—

R Svett Almosts	No. sti
Biner to	8 6
Watson	510
Wate Segar	31
Gun Trapacanti.	275.55
Orange Therest Water	54

Mix in a mother after favour made a parts of the absocule by rulebing them with regar and water. — Per.

 Pecteral Misters, page Wo, and 7. I had at the Portadity of Educade and Vermour two poctoral potions, but whether either of them is the one referred to by Louis, it is impossible for me to decide.
 The active principle of both is the Hydrocyanic Acid. 3. Proposil Pinus, page 963, line 7.

R Male. Flor.

Tuntileg. "

Papar. Rh. " as part equal. M.

Take 5t, or 5ij-of the samue and infine for twenty minutes in boding water (bij. Then strain and add Marsh Mallaw Syrep Badj.—For ann Nivern's Diemonaux.

4. Syrop of Free Roots, page 36, line 5.

R Ral Aspurage Oct.

Rad, Rusci Aculent, as 5 v.

1.

BA1L

Holl to one haif.

R Apri gravealess.

Aneth. Panicult.

Ayii Petroicin.

46.37

Aq. calld

lbij-

Infane and mor the two liquids and add flot, of sugar. To be used in possess of Sq. to S.j. to sweeten drinks. — EDWARDS AND VAN-ASSECTA.

SECTION II - PROPERTY TERMS.

Manufaceré. This word was translated manufacered in the work on Ferry, but throughout this one the term momenthand has been retained. It is a correct English word, and, therefore, is more properly used than the word I introduced. The only objection to it in my own mind is, that it seems to correcy semething more than the Preach expression does.

Creases do ris. There words in the other work are translated rice follows. Dr. Cowna's Translation is undoubtedly the better one of the two. He uses the term vice-reases.

Pelotomie. This word it is very important that the reader should understand correctly. I have used the word numericaled, not be-

cause I concerve it to be the heat, but because Dr. Cowan used it at first. I say or first, for Dr. Cowan had not thought it recovery to broadlest always so. In this solding the word assemulated is always used, whereby I mean to supress that condition of the expectionation in which the sputs ere greenish, that distinct, remainness ragged, and are denting it a thin fine.

Vergetares. De Commonumbous by the word eithers. This is different from the rapersons made one of it the work in Perus. Perhaps it is buses. Vale Louis on Pover, Vol. I, page 339.



REPORT.

(for the extrine which I have of the work (Paris, 1922), the following Report is introduced by the pullfolders, from the hope that is moved to intercetting to the reader; for the same reason I introduce it have, though Dr. Camer move it.)

Report made to the Royal American of Abdicine open a Manuscolph extitled, — America-Pathological Biocardes open Philips. By M. Loose.

Yor have communicated MM. Bourénie, Reyer-Collark and asyasty to present a Report to you upon a Mannarept by M. Louis, switched Anatomico-Pathological Resourches upon Phthian. This autyon has been an shoroughly treated by Bayle, that any succeeding writes upon it must almost unproducity be exposed to an unforceable perpudice; but this projudice is soon overcome, when we are acquainted with the circumstances which induced M. Louis to write upon this subject, and with the results to which his observations have but him.

At an age when physicism in general cease their attractance at hospitals, and forego the collecting of cases in order to develon themselves exclusively to premier, M. Lous quested practice to develon the sensity of faith. He has collected, from the sensity of October, 1921 to the present time, with carrein case, the hastest of all the patients who have been admined into the wards St. John and St. Joseph of the hospital of La Charie. The sensiter of these patients is 1960, of whom 350 mad. Of the task, 123 and from pittiness, and 40 others, who were carried off by different during pittiness, and 40 others, who were carried off by different during

eases, had paterties in the large. This leave, then, existed in nearly a half of those who died, and was in the third of them the petactpal, if not the only, name of death. The companion of an great a number of faces, which he had at first collected for his own instruction only, has presented M. Louis with results of such supertasses, that he has thought it to be his duty to offer them to the Aradency.

This work is divided into two parts; the first is devoted to the examination of the sustained become, charged to the large and in other organs; the second, to the caposition of the symptoms which are connected with such of these lesions. The author has added none considerations with regard to the general history of phthisis, its causes and devotes; and from the absorptions which he has collected, and which form the have of his work, he has selected fifty, which he has reported in configuration of the results which in presents.

In its only of inducedon plathics that he treater he thinks, with M. Lacensee, that the granulations of Rayle are only commercing behaviors, and that cancer, alcounting, archaeola and calcula of the languouslists to be priceped to other orders of discusses.

First Pert. - The entirested lesions observed in the lungs have been so well described by Baylo and Lacorem, that the author has finited hundly to a very continue description, in which, however, we find many remarks peculiar to himself. He has observed, for example, that tribuyeles are only particularly affect the more of the large, as has been mid, but alia, when they invade their different Johns, this those of the aper are more numerous and larger, and that they become soft at a period when those of the base are still hard. He thus catabilities the first, that the differences with regard to the number, size, and the same or less advanced state of the salverless apply more exactly to the superior labe compared with the infinion, than to the more compared with the base. He has eften found the superior lobe entirely disseguated, and, at the must height the conresponding parts of the superior lobe still permeable to the air and centaining a few talorsies rely. These remarks are followed by two entycorious cases, our in which a large abcavation was filled by a fibringes clot, and nother in which a frequent of the palaceury

anbetance, perfectly sound to appearance, that included in a casely without adhering on any side to its purpotes.

The air penages have presented M. Louis with icucas, which have been but imprefictly described by Bayle. This physician found a beside of the higher in 17 came only of 160; wherestices of the teaches are still more me moveling to him and he does not even make income the proportion of come in which he met with them ; he may rething of those of the exception. Of 100 patients, M. Lonia found the spiglette elevated in it, the largest in 23, and the trackes in 35. In many sums he has seen the electrations of the tracken occupring the whole procular portion, and in our case many of the cartilagemen rings completely destroyed is a part of their extrest by the progress of the elect. As to the mesons mendance of the benefits, at did not frequently process are aftersties in the neighborhood of crude taburdes, whilst it was almost always thickened and of a red color to the neighborhood of ewities, and especially of those which were very large, and which we naturally consider of long standing. From the circumstance he concludes that influentation of the resource members of the bronchia being posterior to the suffering of the toberoise, exceed be considered as their cases, but much rather the effect of the opinion from the matter poured into the brouchin from the cauties. The simplies of the alterations of the tracken, which are now numerous and larger at its lock year, and that of the electronics of the epghittis, which almost exclusively enough the larguaged surface, indone on to believe, according to M. Lants, that the irrection of those parts by the nexture of the sports, is not of the course which produce Mrcm.

In a tenth of the patients the polymery perenchysis was the mat of an acute influentation, which approximed a short time before death.

The adherent of the planes, which are no account in patients with phthosis, have dependity suggested the attention of the author. He has found the large perfectly from from them in one case only. He has governedly absorbed a bird of population between the adherent and the internal descript; when the adherent work in the internal descript; when the adherent work proposed extent, the exceptables of the large presented very small parti-

ties; but when these adhesions were strong and of great extent, the cavities were almost always very large.

It has been for a long time observed that unbersies are often developed in many organs at the same time, and that in the phthisical expectally, we frequently meet with them in other parts at the same time that we find them in the length. Bayle proved the presence of toborodist matter in the intestines; but no one has hillowed presented the numerical results contained in the work of M. Lonis. He has recognised the presence of tabercles or of tabercless matter,

in the small intestine, in mostly a third of the patients;
in the intertestine, in a pinth;
in the intertest glands, in a fourth;
in the intertest glands, in a testile;
in the incher glands, in a testile;
in the possible, is a flutteenth;
in the spices, in a fourteenth;
in the ocurros, in a twentieth;
in the sterms,
in the terms,
in the corolalis oblumpats,
in the meters,

These remaining, made with the greatest care, have led M. Lesis to a very important smalt. Not one of the 328 subjects, when he examined after death, presented inhereles in any organ, who do not also have there in the large. The toherentess concretions, which are formed in the chronic inflammations of serous membranes, we not seen an exception. In all the cases of this description which presented themselves to M. Louis, the attention examination of the large has led him to the discovery of tohereles in these cognise. In a single indicated, who died from a severe fever, and whose longs appeared sound, the measuremer glands contained some teherestons grains. Will this observation, which has been made with regard to 320 patients ever 50 cm years of age, apply to infants? This question can be answered only by conscross postmostem examinations.

The automical study of organs, which are see the special seei of phthinic, has supplied M. Louis with many other interesting there.

The heart was not increased in size except in three cases, and this, increase occurred in the b-ft contribit. In the few carry in which an electronic in the thirdness of the heart presented durity it was almost elways on the left side. These from point on the our value of the thories of more authors, who compiler the tobic-more hardexity of the large trans of the treat entire corner of discuss of the heart to general, and menominy of the right-cavition. In the impority of philancal patients, M. Leere freed the heart distributed in the same proportion as the other timers. The most, when measured for companion, and through its whole bingth, in ponests who deal from phthoir and from other effections, was board more continued in these who died from positions than in them, who died from acute affections, but less so that in those who died from moneyes after tions. It a flerth of the asser, the arms provened a remarkable reference its internal fire, but without any change in the consenses. and thickness of its mendioners. Neither these become nor those of the player, resultague and stamark, which thilly, were abstract by Bayle.

Ultimations of the assigning as and pharpas amount of term only. The coupling is also presented in there can a thinning with a soft entire of its manufactures at its random extremer. Ultimation of the pharpas and assigning to were not met with in any informals who died from other chronic discusses; they are were observed only as those who have died from pictoise and done updoe from.

In D cases of 'M in which the straight is an entited of the great M. Leans found it twice or three times for most size place great curvature descended as for as the creat of the time. The mass change is the size and accurred of the straight who only times observed in patients who died from other discusse. However remainsble this phenomenous is, the structure of the straight promote internal of much more importance, and which have already been pointed our by the author in his Messas upon the nofering set this ring of the Miscous Membrane of the Stomach. A careful examination of this membrane in this cases of pintages, offered in 77 of them remarkeds, leavens, such as softening such thomany, reduces with thickening, a manifested aspect, &c., is two cores, is presented two electricies without charge in its structure of color. A comparative examination of the same recolorate in about the same rember of first cores of other chronic discourse presented alterations is one half of these only, and those alterations were of less extent; the softening with thinning, which was observed in 19 cases out of 96 of pitchine, was found only in times in 94 cases of other chronic discourse. Thus, become of the streamch are much more frequent and severe in phthicis then in other affections.

The shadman presented some electricisms in three cases, and an increased size of its restons trypts in a certain analog of instances.

The study of the simiousical lancest, which are frequently seated in the small deletiase, has fixed the niteration of M. Louis upon the elliptical patches which are formed by the applomeration of the muness crypts, spoken of by some analymists, though the importunce they deserve has not generally been attached to them, M. Loris has observed that these patches, which axist in a sound state, and which are situated opposite the mountary, participate but very slightly in the braices of the surrounding assesses membrane, and are often the seat of lesions in which this membrane takes as part. These patches are the most sound sent of electronicss, both in phthisis and in severe fevers. M. Louis has found these alcorations in five sixths of the cases of philipsis, which induces him to believe that he has examined these organs with more care than even the serapalous Baylo, who did not discover bosons of the intestines has in two thirds of his cases. The development of these relocat also presented this remarkable circumstance, namely, when they were confined to the mucous members, the cellular was very thick, and when this was destroyed by them, the monorar cost was equally thickened; so that at the street time that one of the memberson was undergoing elegration, the other was acquiring a greater Millianess, and was thus senteding the performion of the intention. The margin membrane, moreover, is constitute reddened; it is setdom softened and thickentel.

Ulconstions were not so frequently found in the forge intestine as in the small, but they were larger. M. Louis has many times observed the occurs and associating colon aftersted throughout. The softening of the seasons memberns occurred more frequently than in the small into since, namely, in these football of the same.

The talescalous degeneration of the Apoplatic glovals of the moscentery was electrical, as we have stated, as a fainth of the states, in all of which there were alone in the intestime; but the tribercles were for from being in proportion to the number and once of the tribers. In our case in particular, in which all the momenture glouds were talescalous, there was throughout the intestical toles only nonvery small place of a line in dismeter, occupying the small infection the inacces membranes long in other sequents perfectly would throughout. In many some in which the intentions were interacted, there was not a single presentant pland talescalous.

The nother has not found a more comman relation impress the presented of alcore in the tracker and of taboretic in the certifal glands. He therefore concludes that the taboration degeneration of the Ipaginatic glands ought to be referred to some office causes than the influentation or alcoration of the neighboring membranes.

The fitty state of the fiver, observed by Baylo, though he did not rigorously determine its frequency, is one of the mist remechable because that mean is pithinic, it seems, we may my my peculiar to this affection. If, Louis his proved its attorness is two thinks of his cases of pithinic, while he has not not with it but twice in 220 pertents who deed from other diseases. He has also accordance its greater frequency in women than in time, is the proportion of miss to two. The decisions was mored in most owner. This fact is of no bittle importance of present when it is parasitioned, that diseases of the glassical organs are always constraint of these of the prophetory markings.

The spines was frequently alread in consistence and sen in this diamer, as it is in many others. The telepronous degeneration, as see have even, has been many times observed in it, as well as in the time, the hidrarys, the section, the product, the section seemales, the searche and the storms.

The periodent presented some traces of recent inflammation in four curve. In stocker, there were some semi-transport reliefy granulations. In our case, the two fields of this membrane, the opiploon and measurery, were formed of a tabercalous and of a gray, remistremparent substance, imperfectly mixed together, and had be-

The local also presented some smartcable besides. The latered vinitialise contained from one to these spoonfalls of stream fleid in these fourths of the cases, and the sub-arachmoldem membrane at the lapper part of the brain was entitled. In the cases the brain was informed throughout; in the others the softening was partial, polyp, and latered to the centre. The collection of small granulaneous, often found at the summit of the brain, upon the sides of the longitudinal usual, and considered by some anatomists to be of a glandeler nature, neglet to be regarded, according to M. Leuis, as morbid productions. He supports this opinion, first, upon their curies absence in many cases; according upon the inequality which they present in their development, when they do exist, and upon the alteration which is constrainly found in the arachmol in their vicinity, for it is thickened and opinion.

The first part of M. Lauis's work concludes with a discussion of the question, which of the different lexious ought to be regarded as peculiar to plations, and which as acceleral. He polera is the first class the adhesions of the lungs, or at least those of the uptx in many cases, the ulters of the air passages and of the elimentary cand, the fitty degeneration of the liver, and the telerroless affection, wherever it may be observed; to the second class, parameter, as are pleasing, the softening of the nuccus members of the stanch and intertions, portrositis, arachasis and softening of the brain.

Second Part.— The nuther, after a concine description of phthinis, always is conformity with the facts which he has collected, exacutes particularly seem of its principal symptoms, and mishlishes, according to his observations, their frequency, the period of their appraisance, and mino other circumstances, which authors heretafore have imperfectly described.

Homeptpain, with which he commences this part, occurred in two thirds of the cases; in a fifth it appeared before the cough and expectations. No one, who was not affected with phthisis, out of 1960 patients whose cases have been observed by the author, had had homoptysis, with the exception of some individuals in whom it occurred in consequence of external violence, such as a continue of

the closet, or a fall, and with the exception of a few females who had it in consequence of the suppression of the estatemen. The withor, therefore, constrains that with these exceptions, a copies homogepial resolves the existence of takercles in the lungs very probable. Your consistee are of opinion that this most meta-chely conclusion is impuly seakered by many other from. However, homogepsis is abserved ourse frequently in women than in man, in the proportion of three to two.

The period of the shoot, supermount in phthics, may be incomed to principally tobercles, or to adherons of the plane; and is these two becomes we should always from it is conjunction, it is difficult to determine in the exemination of the corps: which has produced the pair. The mosts emailibility of the plane, and the well established absence of pair in a large number of cases of external or internal telescries flavor the licited that this pair is scated in the external members of the lungs, either than in the parameters. This, however, is not always the fact; a woman, whose shad is reported in this work, experienced, during the fifteen days immediately providing her death, some pain between the shoulders, and the exemination of the corpse parameted only same energiated telescoles without any addresses, and besides, all the patients, in which the addresses were limited to the apex of the lungs, did not complain of pain in the cheek.

The constitution of the jobels attack, which comes on it all cases of phthisis, at its second period, presented the following results. Chills occurred in few mades of the patients; sweats in also tratta. The operate astronomy by obtaining, and repeated by all the moderns that sweats alternate with distribute, as contrary to the facts observed by M. Louis, not only in phthone, but miss in other diseases. The author has indeed sometimes over the distribute distributed for two or three days when the sweats appeared, but it soon recumed its former intensity, though they had more of theirs. In relation to these copions and procouped averate, M. Louis technical very natural remark, that a function may be fier a long time arranging altered, though the atmosphere of the argue, which performs it, present to appropriate change.

Harries or received as all the paracets, with the encryton of 1 cm of 07. When it proceeded death but a short true, from few to twenty days, for countryle, we usually found in the intestines but very small

tileers, and the maque seambress was softened, often red and thinkened. When the distribut was of long standing and had been constant, these were almost always large and numerous alone in our or the other intestine, and semotions in both. The distribut was no less violent when the nicers principally occupied the small intestine, than when they were of a protect size in the large intestine. This observation is not unimportant at present, when some theoretical physicians make the color like exclusive sont of distributa.

The symptoms of softening of the stanuch, of perforation of the long, and of its effect, presume-thorax (seven mores of which are reported by the nother), and of alcoration of the applicatio, the largus and truthes are particularly examined. We shall not occupy you with the symptoms of softening of the stanuch and of perforation of the lang, on which subjects M. Louis has already presented to you two special Messairs; we shall speak of the other tessions only.

The patients, in whem the opiglottic was alcommed, experienced a fixed pain on a level with the top of the thyroid cartilage or above it, and a difficulty of deglication, which was sometimes as great as to cause the rejection of liquids by the mass. A local pain of greater or just acateness, and a complete loss of voice for one or mass mostles were the only signs of alcomation of the largum. Ulcoss of the tracken, however large, did not usually profuse any particular symptom.

Lesistes of the stometh gave rise to some symptoms which have led and our lead in figure to their recognition during life. A want of appetits, pain of the appetition, and even musica with remining of bile have distinguished these lesions. As to remiting, which all physicians have considered an excited auclinity by the cough, M. Lesis thinks that is may some from this came, especially at the commencement of the disease; has be his observed that then patients have some appetite; they do not feel pain at the epopatrion, and can digest their feed with facility. By the aid of these signs be can distinguish with certainty sympathetic resulting thus that which is probated by the lemon of the mucous membrane of the stomach.

As the stometh is very often diseased in phthicis, and as phthicis is one of the sunt common diseases, it was at once easy and interceting to know what relation existed between the state of the tongue

during life and that of the summer other death, and to you the calmof the assertions which are thilly train on this entiret. The atmoschappraised around as III come and of ST, in which it was enumered with extreme attention; in \$2 is presented carrier between in 0 and of 19 in whose A was comed, the horges bud been deeped by a cost of less red. In one of these hines care and an end discuss of the trager were totalerally named, one ontolerall is the totaleral Advances into the hospital and doub, which sade place Harry-box days after, and the magness was found perform locality to every mespect. Affilia 77 other cases in which the assembly research enters. a simple softening with thinking or one commence and over, or a series or line extraology process, a first monthly of all party and the bright was red during life in \$5 early, and in 2 of some for your all pidly on The reads, therefore, a that reduces has been observed about the same sender of times to individuals on whom too momentures healthy, and in those in whose of presented must as not be

The diagnosis of planters is easy at the abstract pooled; trees and knows here inscribing his during the first stage, and appointed farts. very long interval. M. Lenis has porticularly directed his attention to detaymining, by the comparator of the facts that have come under his observation, the signs by the aid of which we can all first suspect; and afterwards recognise this disease. A dry mugh, which comments for many months, a chestreen of breath castly brought on by walking or speaking, pains of greater or loss moreover in the back or in the sides of the chest, a eventuable dissinition of this and alreagth maght to recent strong employees of the reconcers of submiles in the large ; if may not some homospitum sorror, it is almost a certainty that the patient is plannerd. Percosine and inscallation we then very mutakin for removing our document of the should of the cheer be dall below out of the character to a some extent, if the respiratory moreover three he many fesh's and accompanied by some rates, these two places make recoming at this point only, where to brink a generally fing develop themselves, their emitteev can no larger by doubted. Mr. Louis tender this head, relates the wave of a patient; in whom, by nears of three signs, the distant was recognized severteen skys after the appearance of the few symptoms.

The diagnosis is usually easy in the second period, when exitics take the place of tabercles; peaterilogry fermishes a severfailing sign. It is important, nowever, to consender that the partial dilution of some of the broachia may produce this phenomenon, and that in order to form a nound judgment we ought to consent with this sign every one that can confirm it. An interesting case is reported in support of this wise process.

In other arcales of his work, M. Louis presents some interesting sions relative to the disease, of the disease, the circumstances under which we must community meet with it, the uniden deaths, which are not very mee in plathets, and which the examination of the corpso does not always explain. He has remerbed with respect to its duration, that there died in the first year a greater proportion of secura than of men. He has found an explanation of this difference in the very intequal frequency, in the two sexes, of some secondary lexions, such as the fitty degeneration of the liver, and the softening of the success members of the stomach, which he has not with much stone frequently in women than in men.

Two number are devoted to invest and acute pichinis. First cases came under the observation of M. Louis, in which there were not more than fifty days between the appearance of the first symptoms and the death of the patients. In one of these cases, death occurred even on the Iwenty-fourth day.

Lettly, in a concluding chapter, M. Levis has examined with the facts before ton, the question of the nature of tubercles, a question so often and so realizedly discussed by reasoning and inference, and be has been led to the conclusion, that the taberculous degeneration of the large is accepting different from inflammation, or from the effect of fedimentation.

We shall here limit this analysis, in which we have presented to you only the principal results which the author has deduced from his observations.

We think that the Academy, whose special object it is in give a surful direction to the labors of physicisms, cannot afford too susch enterargement to those whose number is always too small, who, instead of abandoning themselves with the amjerity to theoretical discussions, devote their lines to the suffection of observations at the bedaule of the sick, and search after death for traces of the deceders which preceded and produced is, and from a comparison of those facts deduce rigorous conclusions

(Signed,) BOURDOIS, ROYER-COLLARD, CHOMEL, to Beyorder.

Bink and appeared at the insures of the Ecolog of Ministers, July 12(4) 1925.

ADELON, Secretary of the Section-

A from copy, PARISET, Perpetual Secretary.



INDEX.

[The numerals denote the Observations, the Egypte the page, the paged latters the sections of the Translator's Appendix.]

A.

Apr. In infinince specialities, \$17.63.

Herta. Programly and internally, 72; about always in young subjects. 62; its organic brainest common other the tips of thoughtly peace; its outs has in philities, but propagately in common offermer from its scale for eases, 61; the course of its reduces and it its regions brains. We

Applies. Not from the scale discuss, which has distinguished the scale safeting of the local.

abulantic. Common constitues torque the line periods of pitting, 500; reminister anotherity, the symptom, 807; butter out-mathematical effects respectively with partial softence, 411; exc.

Absoluted. Boths means at some of opens granitating, model proligation may be trajectional from 100, 100, and that emerging persons fined in the reporter energy, and the mandrane elected under it is improvedly militaried, 140.

Bt.

Janes Found to interesting externions, their electron, 14, 220,

Bullahama Employed without improve in pungls in effects, 445.

AGE. Offerer black and thick to potentia who clied of pickets, then us them who shad of other fluores, and whom the first is fully their garder say other arresonations, U.S.

Eladder, Almost pointedy bridge in photococ patient, 721.

Bland-ferring: In inefficiery in many cases of homophysic, v., xii.

549 index.

Brain. Is sometimes injected in ploth-local potions, 141; wholly solicated, 141; its partial and general solicating two found almost exclusively after classic discuss, 141; meantimes the seal of inferries, 141, in; as of hydridis, 141, 141, 141; xxviii.

Broughis. Cannot be found by tuburculous cavilies, nor where tuburcles with, nor in the grey, armitriousparent indutence, 2h; while of their names assulators near the cavilies and conde suburcles; their observations, 56, 531x, I.

C

Courselor, Renall. Contained interrestons matter in two cises, 117.

Catecha. Employed in distributa; its effects, 450.

Convex of Palesconery Tabercies. Result to which are not led by observation, GIT: influence of next, GIR, C; that of pleasing and presumed not proved, 426 to 440, D; but supposing that this influence really exists, what means must we use in order to make it orideat? 440; influence of camebool better demonstrated, 441, E; many observations of nexts and of latent phthins powe directly that tubercles in the language not the effect of influencies, 441, 442, 442; the condition of the breachis continue all those facts, 444, II; influence of corrects is perhaps imaginary, 443; what is necessary to be done in nodes definitely in determine the hereditary nature of phthinis, and to define the exact limits of this fact, 447; influence of ago, D. G; of vicious causes, G.

Cereities. Taberculous; the period at which they are natively empty; their elementary when old or recent, \$3, \$4; communicate with the franchis, \$4; \$1; monitores traversed by bands, \$4; they provappes the destruction of a portion of the pulmonary slesse, \$14, \$15; dimensions, \$5, \$1; character of the fluid contents, \$2, \$2; may be filled with organized fibrite, \$25, \$2; or contain a fragment of healthy lung, \$7, \$1; only one may be found in a lung, and in this there may be no other traces of tubercies \$21, \$1; how we may prove such a carry to be tuberculous, \$3.

CRISE. Do not server in a certain number of policies, 190; hour at which they assetly return, 191, 192; effect of clashma upon them telest regular in their recurrence, 192.

Complications. Do not provent the symptoms of the different beams from manifesting themselves, 243, vv ; 149, vit ; 524, xii; 274, xiz.

Cough. Variable is plobine, both in three and time of commencement, 171; returns at times in hard spells, th.; uplans and helladown employed for it theoretically, 449, 18.

Cours. Of a premiur character developed in the liver, 111, 154, it : fivees costs containing hydroids in the liver, 111.

D.

Diagrants. When it is probable, 201; or certain in the first stage of philidele, 202 to 204, x bit. ; is easy in the second stage and depends then in

180ga 543

great measure upon the existence of preceptings, vir. 211; important
of precision of the period, it was it is found to the diagram. The projust estimate may be insufficient in hornain the existence of a married rankly, £11, at; Trade, pare, 280.

Distribute. Commence at deficient equation 182; the minimal absorptions are readl when it reasoners has in the distribute, 180; they are mostly when it has been long and intermedical, 180; it means at times in the merely an absent according, DT, 200, a.e.

Convertient Given in Hunthway Stat Street, 452.

Displacement. Historically involving a result of the angles was not efficient endanged when the later in fact, then when it is beauty, TZ.

Person of physics properly, 200, 170. In many and in security 476.

More More. To other decided in the appear part, which the more give principle to benchmark on promise and the

Disposed. He degree, in communicated in phiblins, 185, a tria manutions from childrent, 162, 189, parts of the above or which is a marky referred, 196.

11.

Constance. He is not be discussed in a strong of the discuss of the terms of the terms, one.

Employees: III the external contact months on the in throat dreeases, \$24, 45; combposes of molecular and months are 120, 100, 122, 40.

Epighten. Is from any storaged in photonical position, the prepartion, 40; these observation with mod frequently on the large-part lase, 47; and up now depend in one domain where the preparation of photonical galactic, 40; their symmetric 247; and the in contrast moduly the about 225, 450.

Epiphora. Contribut to a second title and the second title and the second title and the second title.

F.

Photocorthigas of the Frenker. At most solution of their contrastly in passes of story interesting of the tracker, 219, 231, 231,

Press. Despa and decrease very variable a recognition which make the excitation, 1981, the range, 1911, 1981, a proposed of convenient force on a patient in the last stages of photons and in range of proposed in the convenient and the conven

Pence, Command. First in the pieces of the information than raws,

Parallele. May be brought to a long time trained may modelly also atom in the organs which postern from the example, Squares 194, 295, 2021; exhibition trend the side, 196.

G.

Gall Stable. In parents are constrone thick and absented, 142, 114.

Gastritic. Assentic, even when a long a long tem, is not sufficient to
good its existence; frequent is abilitized pro-

Greened Functions. In 2: probable that the inclination for receive is in-

Gestation. May go us regularly in philanel, 205; but it a real influence again the same of philanel, 206.

givenile. When principles they are universe, 601 do not become advantables except in published patrice. 1001 additive glorido become advantable, publish 100, 154, in 1 control glorido reducedant in a treib part of globaletal principle, come of the boson, 9001 because glorido manufaces completely changed and information matter. 1011, recreations offers manufacedant utility-operation, 2001 part of the company where they are men beganning that described, 1001, marriy tellment, 1001 comes of this grandernation, 1001, terrainers and and resident in philiotecta without taking to be produced. 1011 communication of this fact, 1011 in patients with their stand of subsystems of climates. 1011

Considerions. Grey, must compared of the large follow the same course that teleproce on, and change more or less repully into inderculous matter, A.; Boy in: the communication of it, A.; their arrangement, the length of same they occupy before becoming as large as peas, and the part of the pulmoney texture in which they occur, 6.

Gargling. Frequently hand over various 44 the council of the longs, 211, inflection of this when combined with tracked respiration, 215, 216.

H.

Hegyphany. Cleases, 367, 5555.

Morel. Generally small, rarely unlarged in plobbins; smaller still in commons affections, 50, 58, 52; structures substance, 50;; the descriptions of the left contrible very much more frequently thou those of the right; imfrequency of segme better of the basel, Mr.

Memophysis. Server or elight: its frequency; period at which it occurs, 176, 179, x; when it precedes cough and expectacation, is it a ferromore of takender, or a point of discretisement, 176, 177; for come at the eliferent process. 177, 179, 134, x; inflormed of ex-x, 179; age, 178; resultration, 179; ages in importary. Example of severe homogetists occurring several times, 190, 187, x, 180, xit; its recomment, 450, 65.

Mydelide. Descriped in a filterne cyst, which descriped a hile of the fiver, 111; very early tend in the lexic, 145 to 149, con-

Ť.

Afternat. Occurred setural times during one year in a case in which there was discovered the gulf-blabbes, \$29, alia.

INDEX. 545

Appendix Very common in the later persons of globals and of other change decime, 199, 201; decity produces to at 182.

Advance, Small. Its marrow membrane when in a healthy entry maemistrate; transfer of elliptical patrices accurrent in H. T4, F7; their disentent, 35; its marrow membrane mandemer sellment, thickened and pull, properties, T9; infere above as semi-marquent granulations frequent in flows, 29, 80; still more impossed are offeredisms, 41; sem, size, firm, pulse, structure of the pierry, 82, 83; more also membrane more man librared, is at those descriped were them, 82, 84, 10; years of the pierry and 29; emdates of the tentil patricine after other discuss piezes. 30.

Forever, Large. Its monous members often red, esterned and their exect, proportion, 91, 92; or not of this adventer, 93, 91; percent at which 9 occurs, 94; outsurrous collabor members bequestly there and solden soldens are shown in the their states of the thickening, 85; in observations a little less frequent than those of the small intention, 95; their discretions, 95; h5, in, 224, in; their frequency on the different parts of the totalism, 95; their first frequency on the different parts of the totalism, 95; their first frequency on the different parts of the totalism, 95; their faces and structure, 95, 95; somes, 95; telescondates, 95; their majorithms from parts from the property of the large intention in passengation of these aftertions, 16.

K

Although. Sometimes in philipsical patients have systs and tobarcies in them, 117, 129, v.

E.

Larger. Frequency of alreas in it, their similar and extent, 46; symptoms, 357; provider to piritual, 45.

Letting produce to philistent onlys? It. Letting which for common in them with those who do st other classic discuss; their origin, general equice, 120 to 162.

Lines. Often fifty in philipsed patients, emercially in wroman in what properties, 167; duty alongs may come on every explity, 168; on preside symptom matter 2, 159. Experiomentation but types on a possible character to 2, 131; in left take may be destroyed by a filterial cycl commissionly, detail, 131; its consistence in very explicit, 131, 132; it is constitued affected with a very marked emphysical, 142, 153, vii.

Zanga. Do the exhibited deposition, found constitute of the apex, exepopulate fixed beams (25; their apex is it times expellipte with a kind of complexifiagitance exceeding, which is thick in a same of a very large excess, 43

M

"Allowances: Manualar members of the alonards breedlessed ever a small space to a semi-carifuguous solutiones, 201, vol.

"Mandesure, Server. All of there are pure in fees subject to an effection of server that in philished patients, 108.

Memoryancies. Sometimes continues to the very last periods of philinia, 300; most common period of the suppressure, 201; comes which retail or secretarily 5, 201, 200.

Afmentery. Wholly believesloss, 297, 2224. See Glands,

Wysorden, Wosrectam. Tabercalous and emitramparent solutions in femore, 533, vol.

0:

Chlour of the Glottin. Rare to phtheiral subjects who have ulcontions in the larger, 48; what that indicates, 470, 427, 2071.

(Récent of the Legs. Eare in philipinal patients, 201; example of one of those cares of orients which had been very considerable; obstruction of the court veix with topics of three, thickening of their patients, 20.

O'Combigue. Hardy interested in phthose, 27; often deprined of the epiderain; its posterior constitute thinmed and softened uses the cardia, 28; remnerts of a kinet of membrane upon in steplece, 27, 267, 269, nax; apaptement which depicts upon it. 255, 229.

Oyene. Exclleration in cases of pure from thinning and solvaing of the amount terminate of the stomach, 250; administrated libraries without effect to distribute, during the list days of tile of phylosical potents, 453.

P.

Paths of the chest on Parkists. Degree, Sequencey, attention, 186, htt; cause, 187, 198, cause in which they do not exist, 189; when the thecase goes on rapidly, 300, 572.

Pectorilogry. Time of occurrence, 108 | must be accompanied with other signs in order for it to indicate curtainly the existence of philints, 202, st. 205

Permittion. Importance for the diagrams of philinis in its first and secand periods, 220. Vale Perturbine

Performance of the fungs in Pathinia. The curveture, 209, performion and communicating with the broachin, 200, annia, 204, and; side of the cheet must assume a factor by a part of the lange before it occurs, 411; wander of performing in the man subject, researchly they are not more frequent, 412; age of the patients, 415; symptoms at 482; may be asspected a priori, 402, pain may be absent and yet the disposes may not be impossible, 402, any; how the attitud symptoms are reafferned by speculations and percen-

many. 547

existing 400, 400, An the extensive prophens always make place to see of more religious and processors, where they are made, and a decision of tale after performance (10).

Problems. Property do not of months of months of the photolated process, \$700, policy grands and a first months of the appeal.

The manufacture between the field of a first months of the appeal.

The first modes, \$11, 200, \$10

Personne, dente Brenne announce of the last of 1/2, 122.

For many, dente to the personne at t

Phicyen. Recely elected to picking, \$2, 222, sin; resilies also other closely theoree, 24.

Publish: What is comed with two provide, for a being a and after the adversing and accommon or the following movine, provide compation, this is 171, and the life person, 1921, a recommon part to women that is now, 170, only not proposed to work a said other documentable prove movid order new their same or by account, 170.

Firsting, Spate. Excepts, south on 1911, Any, 1911, 1911 or any exception if ? Extends of a condition work come. 2011 and a chieff of a condition work come. 2011 a produce the dispense of the first possel to which there is much mode, 272; produce the time tenders about a first possel to the chieff of the chief of the chieff of the chieff of the chief of the chief of the chief of the chieff of the chief of the chieff of the chief of the ch

Pletinia, Latend. From all one billion is your, its models, its _xxxii, itself, itself

Physics. Addresses excell more bround than it will all and otherwise. Big cross and makes of these advances, it is it, of some of some than Dequard into their world; it's face remaining according the right gauge in a great necessary tolerandous, S.O. 202, 100.

Pergentary. Capable of prioring entermates. 1 Std.

Printale. Superious information in phalons, 123 and st, 127.

Participally from the numbered to the image of printed petroni, n.mt., vary.

Parentonia, Amir. Grantify conditions photos: 218; Superior at the end of parkets and over change of many, 27, 25; transport, 287; at that of disconnections of 287.

Parameter, Chemical Annual Annual States and the second of the longs in philips of printers, \$1.

IL.

Robert Physical, 16, eyaptem of them, 780, Responsion, Trucked, Hand over course, 184. 8

Softer Weter. Movember rolled from it of the passe countd by the softening and thinning of the success membrane of the stometh, SA.

Scon-fromporent grey imbalance. Froquest in the large in philints, 7; changes into literalis, 7; manufactus found in other parts, 135, vil.; mostly counts in 11, 8, 2.3, vil.; mostlines around in count, 130, xin;

Spires. Sometimes inhorming in philatel, 115; in one case had in it in semiconal times of another axions, 116; sometimes vary small; rapidle consistence, 116; site independent of the circulation, 116; site distributes convicted with a telescolous takes membrane, 200, Avii; its frames in some queues of other discusses, 116.

Space. Characters and differences in the first and second periods of philosis, 170, 270; their approximate theirs, line but days of life, 870; their quantity, 270; influence of regimes upon their approximate, 174; their two-fold second in the second period of philoso, 174.

Stowark. In many cases very large, and had its position altered offener he particularly periods there is these who ded of other charact decays, \$84. macous recubrate was Requestly and more sensually distant in phillinds Stan in other effections; tables pursing this overflow, 79, 71; thinwing and softening of the automat manufacture of the streamth, 64; different expects of this lessor, 62, 62; its causes; proportion of its occurrence in mon and somes, 62; symptom of it, their might, program out datation, 254; rurely full to sociar, 256; when marked they are experies to all the rest, \$57, sed). influenceion of the necessary involvance of the antenior face, 64; proportion of come in which this is used with, \$45, including all the lever upon \$2, 60; symptoms, 263; why suspect to builted sitters, 262, avail; reduces and softening of the interest mentioned bringed to the great col-fe-sec, 65; proporting of cases in which this forms to met with, 45 ; its nature, the period of its development, 66; its symptoms, 200; observed surely, 376, ata; neaple reference of the mocum tarreleams, Ed.; symposes, 255, 64; mintle faced state, provide color of securious membrane, maters of this bodoe, 66 p has no well enclose synaptons in philipinal pointers. 279; digestive fineinn rel research alread when the normal membran is well, 281, 281; arber beings of this members, assisyed reduces million change of strateture, 251; here supply like processes; pass under the inductor techniques; imperior decisions, 30, xui, a media mentrose charged into senicartifiguous salutance, 268, 4511.

Sudanties. Not common in premientions of philipse, 194.

Notifier death. Sometimes accounted the in phthics by the state of the organs after death, 484 xlv, xlv), at other times impossible, xivil, xivili, occurred in two persons in whom the forum was throughout very reach substant, 425, xix, 1.

Secate. Frequent in pictions, 192, not inversely as the distribut, 192; curve of them in pichinical patients, 193.

T

TRAMPERS. Very important to be noted in all room, 67.

There is how many cases shown apoplished and frame with which it emission, 184.

Trailing, Metatle. Heart semantary over large services, 226, 212, 1, 2276;) and out distanguishing the free the Fabrus which seems in performent of the palametry better, 216; semistim of the dailing in this ball case, 200.

Frague. Case in different state of the concret periodress. 201; 201; cases in which it remains more as less stopp tool, and also words become dry while the normal members of the seconds will periody institute. 205, xxiii; in importance in gothelogy, 2 0; nondenance excelsions on the seconds aren't provide frequent in all condenant of the stomach; cause and halter of the stomach; cause and halter of the explainer, 200, 200.

Tracker. Utcom very Exquest and survey of times all the fleshy pertion, 43, 44; their cases, 44, 45; there operations 200, 240, 44.

Typerment. When no fever, and when more at less mores, 410; when plotters in amountaint series, 440; cough not very hall, 440; symptom of pleateny, 410; parameter, 420; series becomingly, 430; should discuss a copious perspiration, passe at the opigations and enumera, 420; arrange dischara, 420; it

Taber dutatare. Telescolous, vi. 123

Paterries. Their qualities, large of development, 4, 5, and almost always in first large, 6, 50; soften at various epochs gradually, from the tyen to the base, carrily oil at man, 12, 15; and enterty emptical before the third model bears their communications. The same degree of development and of the large every where; what this rise-manus process, 155, 156, 44, 16, 267, 341, 256; possible to pictions 165.

Tulercles, Europeled, 242, xxx1

W.

Discretions of the Assembly Epighilia, Sc. Sci. (This them works), what they have in comment. 115.

Obrem. Valueration, \$29, varies and matrice in these who do not other durings, \$30 ; indicated sing delivery, \$22.00.

٧

First Defermine. Tuberculum 172, via renter of this losion, 128

Findrades of the Brenn. Proposal series of these beworn the sal at

throne firsten, 141, 142.

Produke Services: Tuberculeur, XZZ, 125, 51; cause it the ferror, 125.

550 INDEX.

Familiag. Depends searchines on the cough merely; ardinardly on the had concinous of the neurose membrane of the econocit; made of distinguishing these two cases, 281 to 281.

Wa

JP corps. More hable to physical that mea, and to grave affection of the miscous corpolation of the Homels, 82, 83; to the field mate of the liver; 100; but expanded above of the epighates, bryen and quadron, 47; genetic metalogy among them from sensing mea shoung the first year of philadel, 100.







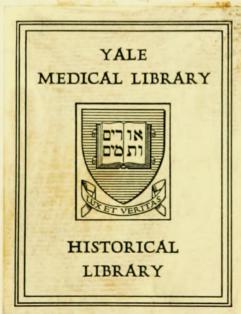




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